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# Oil and Gas Units

Quarterly Update

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**December 1987**

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# Oil and Gas Units

Quarterly Update

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ENERGY RESOURCES CONSERVATION BOARD

Editorial correspondence to

Drilling and Production Department  
Energy Resources Conservation Board

1987 edition, published quarterly

Publication consists of new and revised Units received by the Board up to 31 December 1987

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## OIL AND GAS UNITS

### NEW UNITS

Brazeau River Nisku A Pool Unit  
Carrot Creek Cardium K Unit No. 1  
Rycroft Halfway Unit No. 1

### REVISED UNITS

Blue Rapids Cardium Unit No. 1  
Bonanza Boundary Lake A Pool Unit No. 1  
Boundary Lake South Triassic E Pool Unit  
Brazeau River Gas Unit No. 1  
Carnwood Cardium Unit  
Carrot Creek Cardium F Pool Unit No. 3  
Deer Mountain Unit No. 2  
Enchant Gas Unit  
Fenn Big Valley Viking Gas Unit No. 1  
South Garrington Cardium B Unit No. 1  
Ghost Pine Unit  
Harmattan East Unit No. 1  
Harmattan East Viking Unit No. 1  
House Mountain Unit No. 2  
Huxley Gas Unit No. 1  
Innisfail Leduc Reef Unit  
Joarcam Viking Unit No. 1  
Joarcam Viking Unit No. 2  
Joarcam Viking Unit No. 3  
Joffre D-2 Unit No. 1  
Leduc Woodbend D-2 Unit  
Lookout Butte Rundle Unit No. 1  
Malmo D-3B Gas Unit  
Markerville Gas Unit No. 1  
Medicine River Unit No. 1  
Medicine River Unit No. 4  
Medicine River Viking D Unit No. 2  
Minnehik-Buck Lake Unit No. 1  
Okotoks Gas Unit No. 2  
Omega Provost North Viking Oil Unit  
Omega Provost South Viking Oil Unit  
Oyen Gas Unit No. 3  
North Oyen Gas Unit  
Pembina Belly River B South Unit  
Pembina Belly River AA Pool Unit  
Pouce Coupe Cadotte Gas Unit  
West Provost Viking Gas Unit  
Rainbow South Keg River N Unit  
Rowley Belly River Gas Unit No. 1  
Rycroft Charlie Lake A Pool Unit  
Rycroft Halfway Unit No. 1

REVISED UNITS

Virginia Hills BHL Unit No. 2  
 Virginia Hills Belloy-Shunda Unit No. 1  
 Virginia Hills Unit No. 1  
 Westeros South (Dick Lake) Leduc Unit  
 Wildmere Lloydminster A Pool Unit No. 1  
 South Winnifred Gas Unit

The following Units were revised but Company Names, Unit Areas, and Final Participation were not affected.

Devonia Lake Unit No. 1  
 House Mountain Unit No. 3  
 Joffre Viking Tertiary Oil Unit  
 Lake McGregor Gas Unit  
 Nordegg Gas Unit No. 1  
 Oyen Viking Sand Gas Unit  
 North Sibbald Gas Unit  
 Vulcan Gas Unit  
 Wainwright Unit No. 9  
 Wildunn Gas Unit

The Board amended the following Unit Outlines to correct misprints from previous publications.

Flat Lake Gas Unit  
 Ghost Pine Unit  
 Pembina Cardium Unit No. 8

BLUE RAPIDS CARDIUM UNIT NO. 1

Unit Operator - Texaco Canada Resources

Initial Effective Date - 1 September 1968

Participation Revised - 1 October 1987

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Crude oil, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Unit Participation</u>	
	<u>Interim</u>	<u>Final</u>
Amoco Canada Petroleum Company Ltd.	23.1931	24.0021
Benedum-Trees Oil Company	3.4053	3.6448
Encor Energy Corporation Inc.	10.2158	10.9343
Hudson's Bay Oil and Gas Company Limited	23.1932	24.0021
Norcen Energy Resources Limited	1.1986	3.2926
Sunlite Oil Company Limited	0.1332	0.3659
Texaco Canada Resources	38.6608	33.7582
	<u>100.0000</u>	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

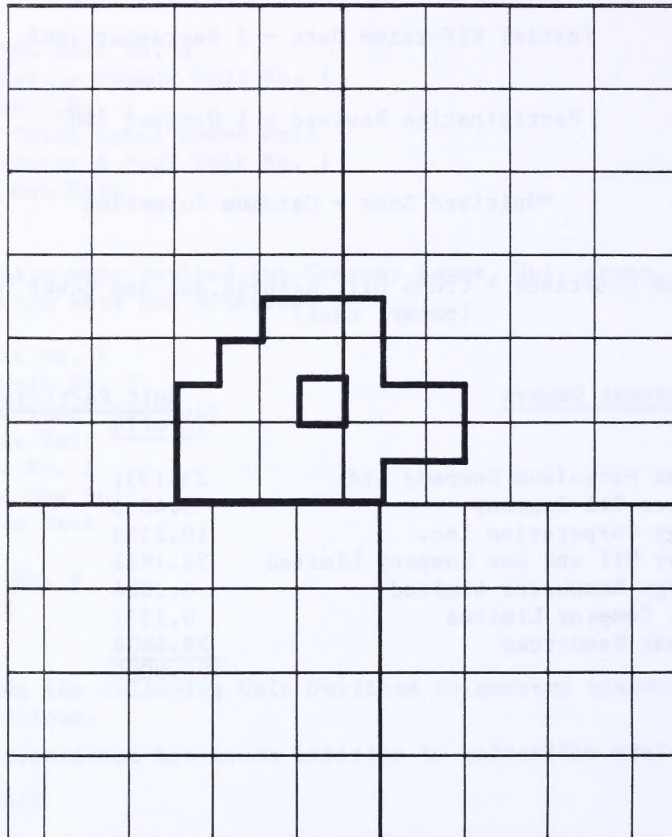
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



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# BLUE RAPIDS CARDIUM UNIT NO. 1

INITIAL EFFECTIVE DATE - SEPTEMBER 1,1968

UNIT OPERATOR — TEXACO CANADA RESOURCES



BONANZA BOUNDARY LAKE "A" POOL UNIT NO. 1

Unit Operator - Dome Petroleum Limited

Initial Effective Date - 1 January 1986

Participation Revised - 1 October 1987

\*Unitized Zone - Boundary "A" Zone

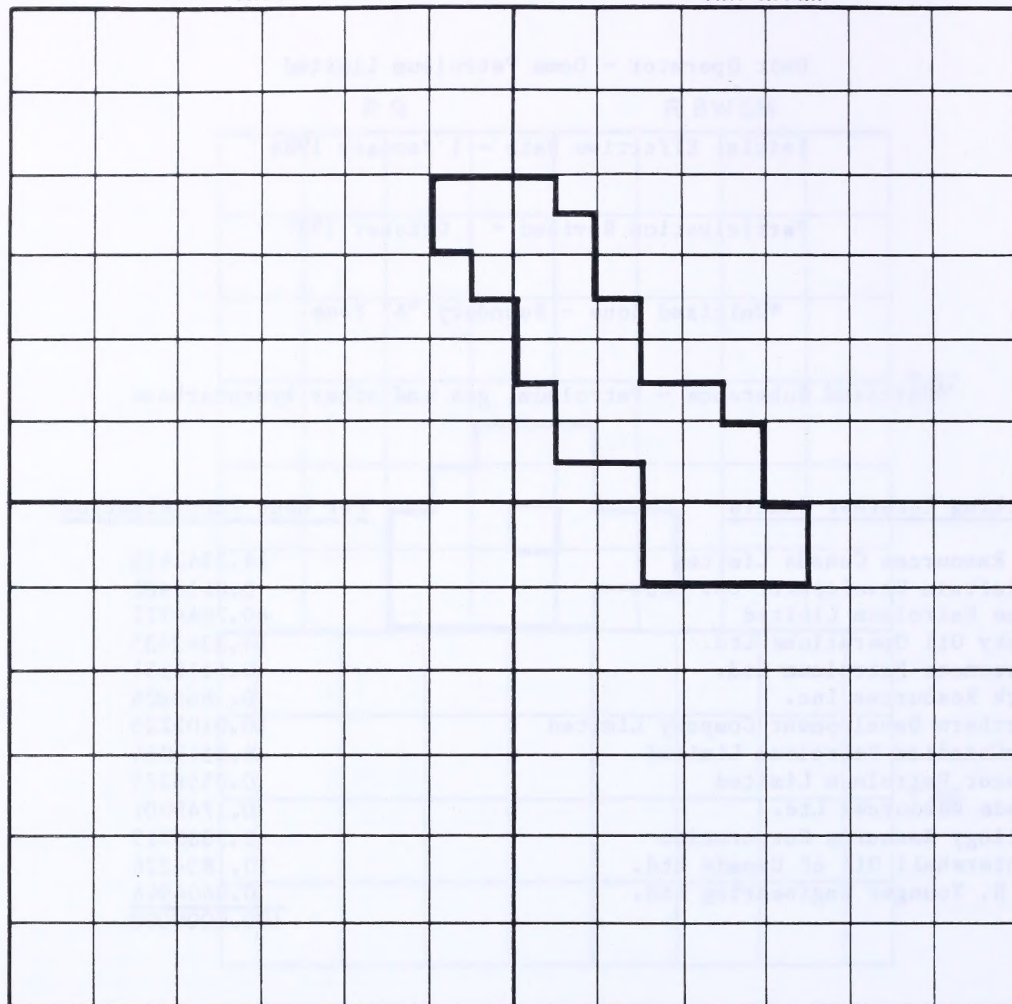
\*Unitized Substance - Petroleum, gas and other hydrocarbons

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	14.2342435
Chieftain Development Co. Ltd.	0.8419981
Dome Petroleum Limited	40.7644722
Husky Oil Operations Ltd.	14.2342435
Inverness Petroleum Ltd.	0.1112551
Mark Resources Inc.	0.1668826
Northern Development Company Limited	10.0105225
PanCanadian Petroleum Limited	6.8519064
Pencor Petroleum Limited	0.0556275
Swade Resources Ltd.	0.1749001
Trilogy Resource Corporation	2.3080313
Wintershall Oil of Canada Ltd.	10.1854226
A. H. Younger Engineering Ltd.	0.0604946
	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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INITIAL EFFECTIVE DATE- 1 JANUARY ,1986

UNIT OPERATOR- DOME PETROLEUM LIMITED

BOUNDARY LAKE SOUTH TRIASSIC E POOL UNIT

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 April 1972

Participation Revised - 1 September 1987

\*Unitized Zone - Triassic Formation

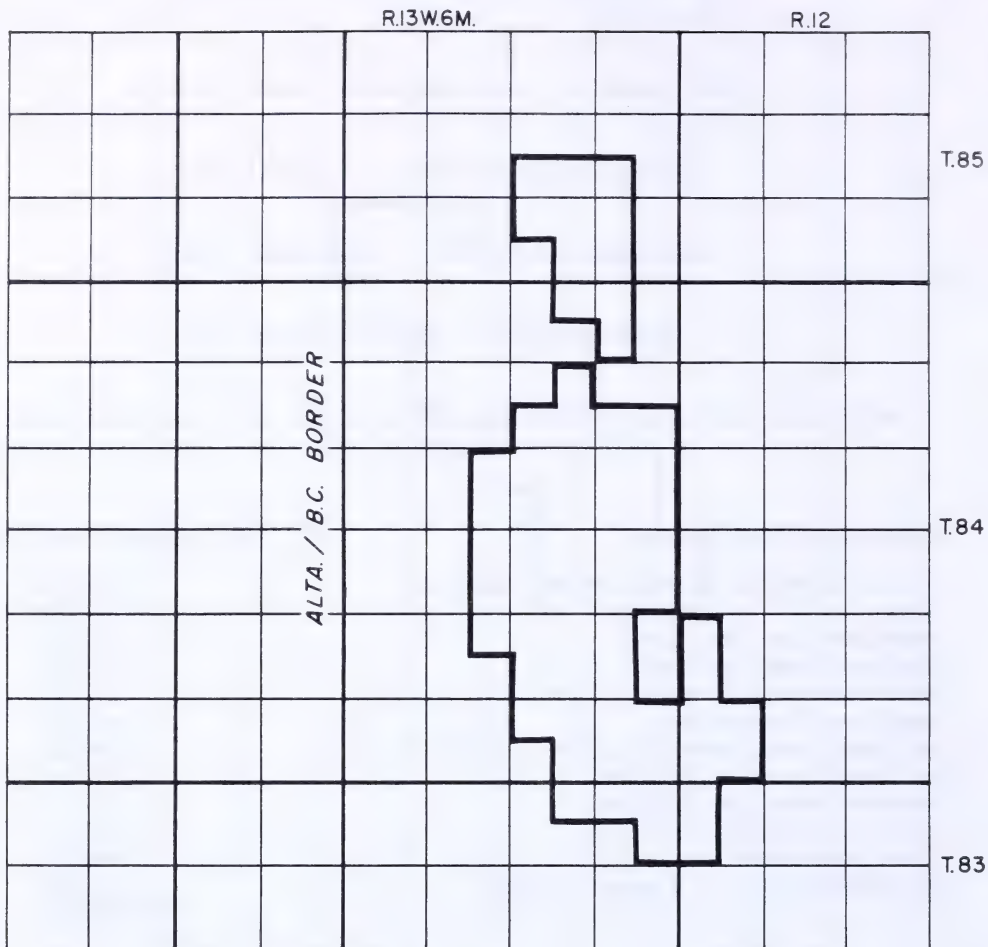
\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Limited	39.833130
Black Cat Oil & Gas Ltd.	0.310002
Canadian Roxy Petroleum	1.414455
Denison Mines Limited	8.106655
Esso Resources Canada Limited	41.247585
Musketeer Energy Ltd.	3.887045
Northern Development Company Limited (N.P.L.)	1.308893
Pembina Resources Limited	1.377782
Sceptre Resources Limited	1.033337
Sterling Capital Group Ltd.	0.034444
Swade Resources Ltd.	0.068889
Wintershall Oil of Canada Limited	1.377783
	<u>100.000000</u>

\*For a complete definition of the unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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# BOUNDARY LAKE SOUTH TRIASSIC 'E' POOL UNIT



INITIAL EFFECTIVE DATE - 1 APRIL 1972

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED



BRAZEAU RIVER GAS UNIT NO. 1

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1973

Participation Revised - 1 October 1987

\*Unitized Zone - Turner Valley and Shunda Formations

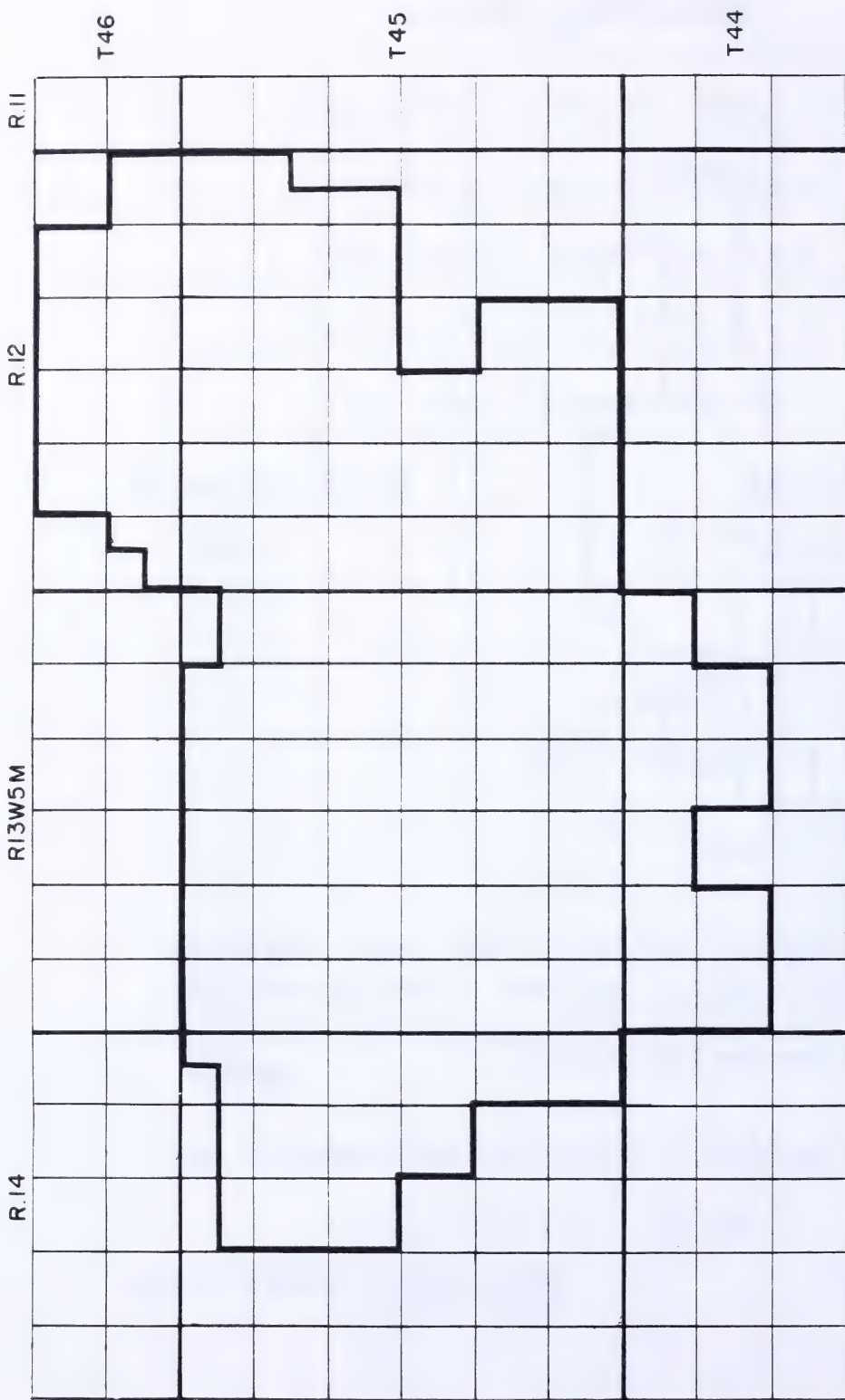
\*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Can-Tex Producing Company Ltd.	0.92000
Cangild Resources Ltd.	0.09200
Canterra Energy Ltd.	1.54081
Corexcal Inc.	0.72618
Discovery West Corp.	0.92000
Esso Resources Canada Limited	21.52754
Gulf Canada Resources Limited	20.26606
Harvard International Resources Ltd.	1.54082
Home Oil Company Limited	2.05442
Hudson's Bay Oil and Gas Company Limited	3.98616
Mizel Oils Ltd.	0.27600
Mobil Oil Canada, Ltd.	21.52754
New York Oils Limited	0.55200
Pembina Resources Limited	0.92000
Petrorep (Canada) Ltd.	0.45386
Placer CEGO Petroleum	0.92000
Seagull Resources Ltd.	0.27600
Shell Canada Limited	15.27502
Southland Royalty Company	0.92000
Spruce Hills Production Company, Inc.	0.68080
Total Petroleum (Canada) Ltd.	3.08163
Western Decalta Petroleum (1977) Limited	1.54316
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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# BRAZEAU RIVER GAS UNIT NO. 1

INITIAL EFFECTIVE DATE — NOVEMBER 1, 1973

UNIT OPERATOR — ESSO RESOURCES CANADA LIMITED

BRAZEAU RIVER NISKU A POOL UNIT

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 October 1987

\*Unitized Zone - Nisku Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	32.5000
Chevron Canada Resources Limited	17.5000
Norcen Energy Resources Limited	15.7500
Prairie Oil Royalties Company, Ltd.	1.7500
Petro-Canada Inc.	<u>32.5000</u>
	100.0000

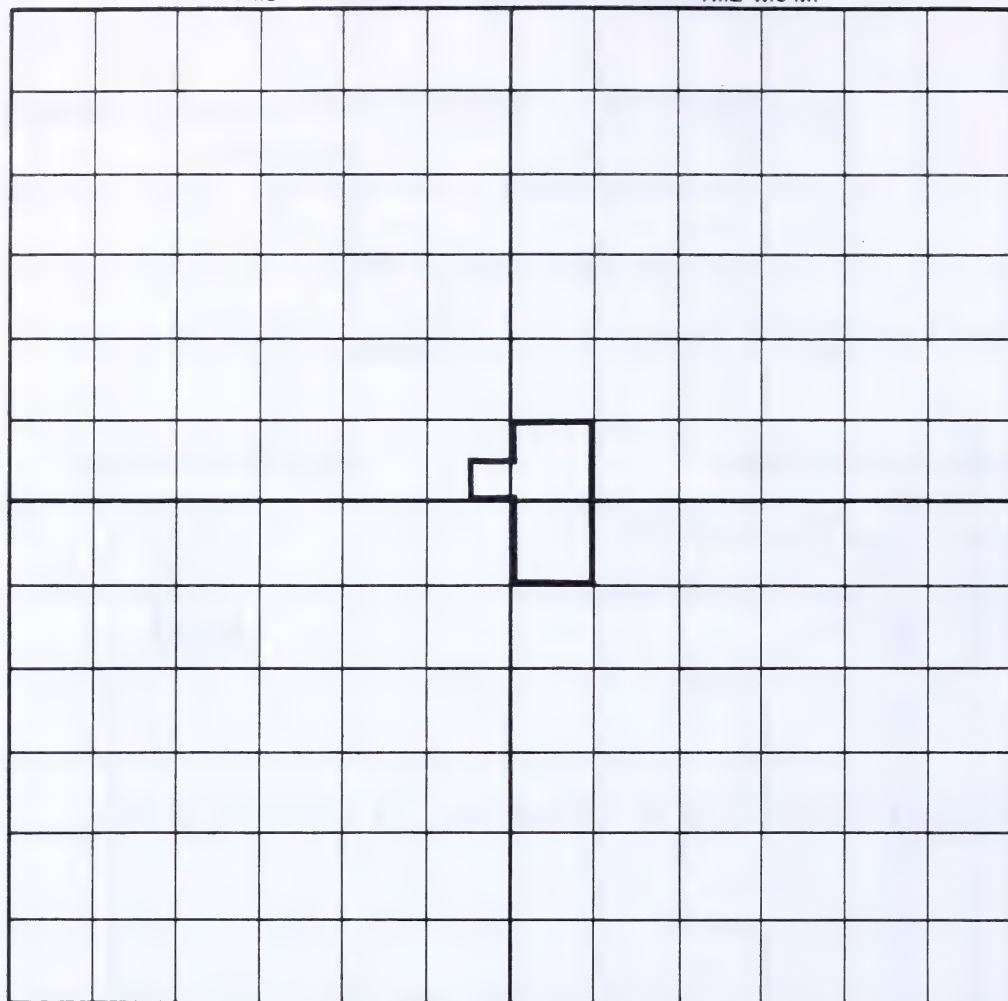
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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# BRAZEAU RIVER NISKU "A" POOL UNIT



INITIAL EFFECTIVE DATE- 1 OCTOBER 1987

UNIT OPERATOR- PETRO-CANADA INC.



CARNWOOD CARDIUM UNIT

Unit Operator - BP Resources Canada Limited

Initial Effective Date - 1 September 1967

Participation Revised - 1 December 1987

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

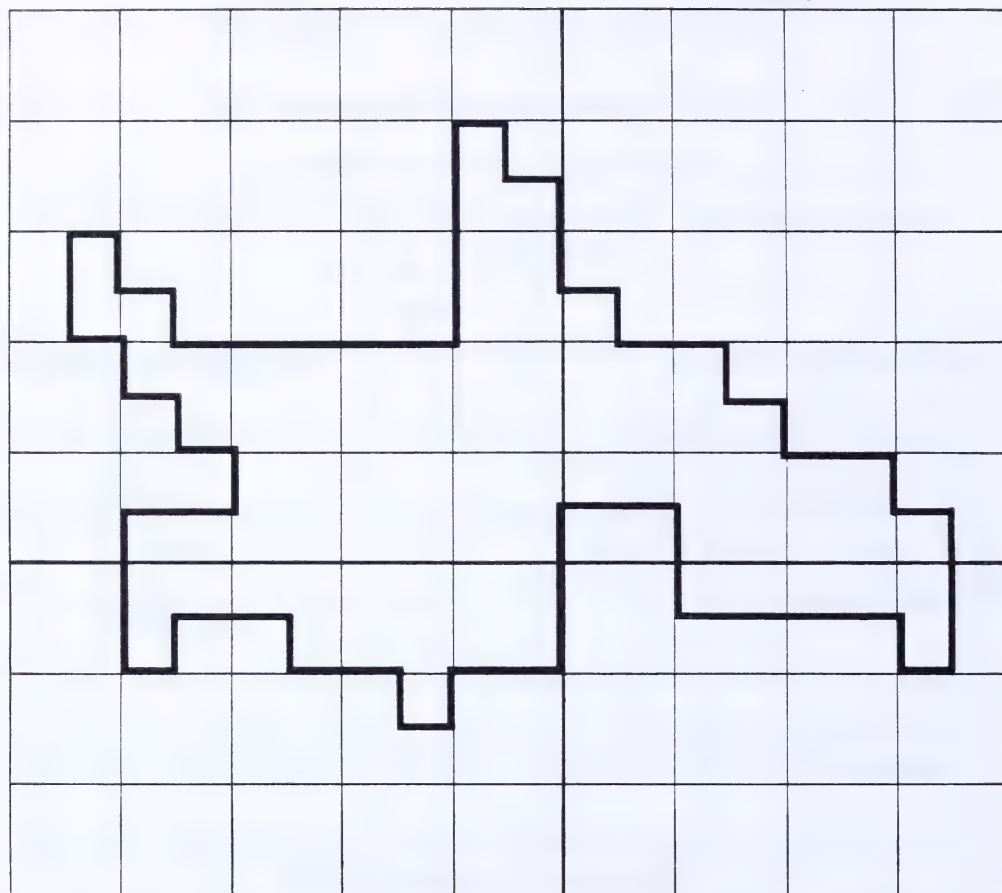
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Bow Valley Industries Ltd.	6.33614
BP Resources Canada Limited	40.23761
Canadian Occidental Petroleum Ltd.	3.86523
Canadian Superior Oil Ltd.	27.90285
Continental Ore & Mining Corporation Ltd.	0.90382
Esso Resources Canada Limited	18.01957
New York Oils Limited (N.P.L.)	1.03607
Paloma Petroleum Ltd.	1.69871
	<u>100.00000</u>

\* For a complete definition of unitized zone and substance see Unit Documents

(For Area - See Reverse Side)

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R.5W.5M.



INITIAL EFFECTIVE DATE - SEPTEMBER 1, 1967

UNIT OPERATOR - BP RESOURCES CANADA LIMITED

CARROT CREEK CARDIUM "F" POOL UNIT NO. 3

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 August 1986

Participation Revised - 1 July 1987

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

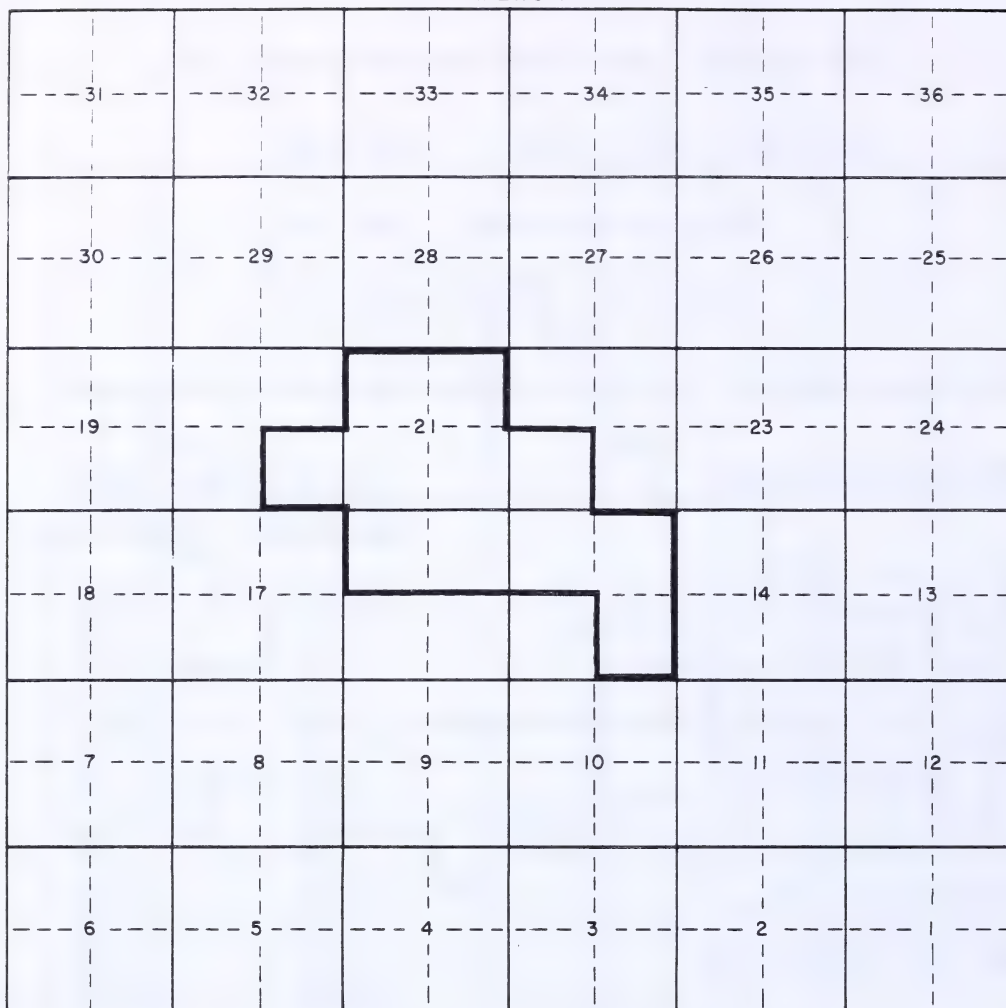
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Before Payout</u>	<u>After Payout</u>
Amoco Canada Petroleum Company Ltd.	51.364	51.364
APL Oil and Gas Ltd.	13.749	9.295
Canadian Occidental Petroleum Ltd.	3.841	4.328
Canadian Roxy Petroleum Ltd.	3.587	3.587
Coachwood Resources Ltd.	1.170	0.731
Cooperative Energy Development Corporation	0.000	0.244
Hillcrest Resources Ltd.	0.780	0.488
Irad Development Ltd.	1.339	1.339
Many Islands Pipe Lines (Canada) Limited	0.000	0.742
Novalta Resources Ltd.	0.000	1.856
Precambrian Shield Resources Limited	1.404	1.404
Soquip Alberta Inc.	0.000	1.856
Texaco Canada Resources	3.438	3.438
Wellore Resources Ltd.	13.566	13.566
Westcoast Petroleum Ltd.	5.762	5.762
	<u>100.000</u>	<u>100.000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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# CARROT CREEK CARDIUM "F" POOL UNIT NO.3



INITIAL EFFECTIVE DATE - 1 AUGUST 1986

UNIT OPERATOR- AMOCO CANADA PETROLEUM COMPANY LTD.



CARROT CREEK CARDIUM K UNIT NO. 1

Unit Operator - Texaco Canada Resources

Initial Effective Date - 1 December 1987

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

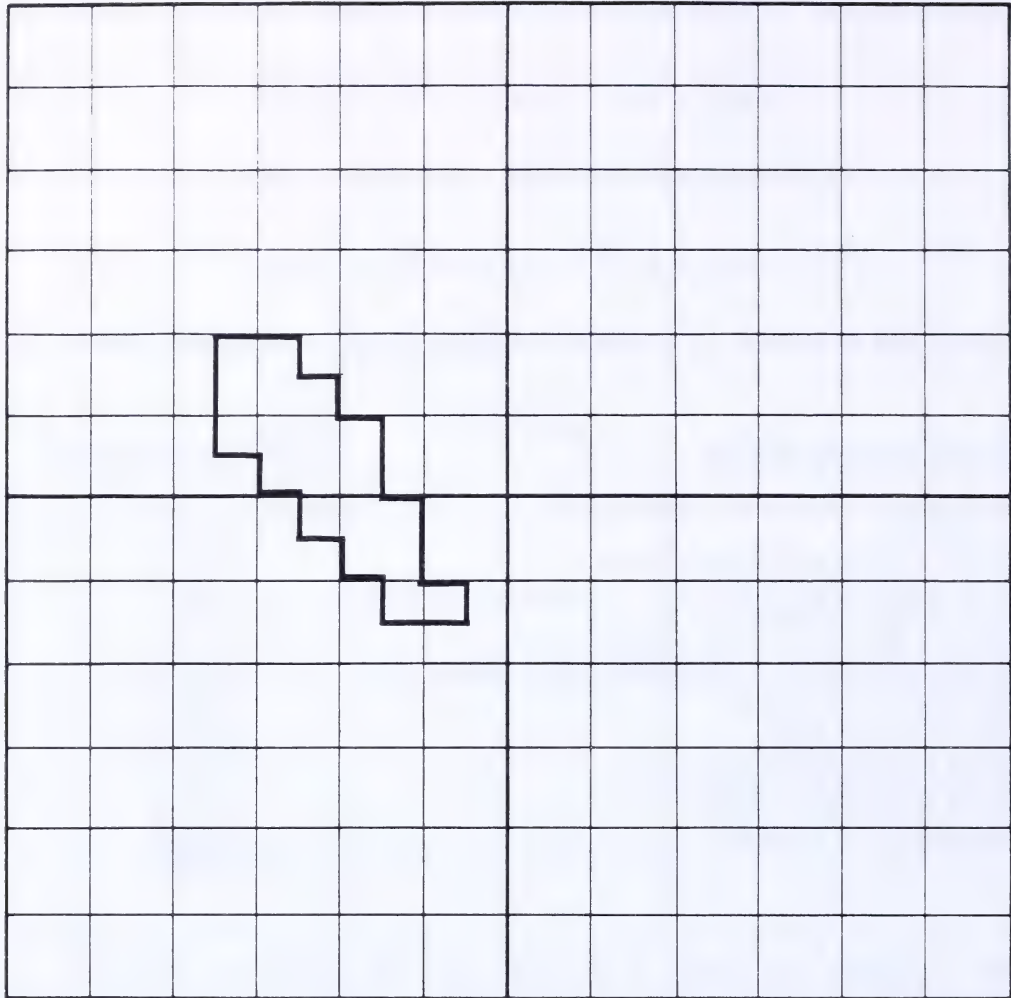
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	7.2779
Asamera Inc.	1.8195
Canada Northwest Energy Limited	1.8195
Canadian Westgrowth Ltd.	2.1834
Encor Energy Corporation Inc.	5.3901
Hudson's Bay Oil and Gas Company Limited	7.0078
Maligne Resources, A Division of DCP Canada Inc.	1.4246
New York Oils Limited	2.9163
TCPL Resources Ltd.	1.9747
Texaco Canada Resources	57.0996
Trilogy Resource Corporation	4.3777
Tripet Resources Limited	5.2533
Woodbend Oil & Gas Ltd.	1.4556
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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R.12 W.5 M.



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**ERC**

UNIT OPERATOR-TEXACO CANADA RESOURCES

DEER MOUNTAIN UNIT NO. 2

Unit Operator - Ranchmen's Resources Ltd.

Initial Effective Date - 1 November 1984

Participation Revised - 1 December 1987

\*Unitized Zone - Swan Hills Member

\*Unitized Substances - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Murphy Oil Company Ltd.	3.7300
Petro-Canada Inc.	1.0717
Ranchmen's Resources Ltd.	83.2830
Saskoil Resources Inc.	1.1590
Strathfield Oil & Gas Ltd.	7.2927
Turalta Exploration Limited	1.7205
223929 Alberta Ltd.	<u>1.7431</u>
	100.0000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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25	30	29	28	27	26	
	19	20	21		23	T.68
13	18	17	16	15	14	
12	7	8	9	10	11	

## DEER MOUNTAIN UNIT NO. 2



INITIAL EFFECTIVE DATE- 1 NOVEMBER 1984

UNIT OPERATOR- RANCHMEN'S RESOURCES LTD.



ENCHANT GAS UNIT

Unit Operator - Dome Petroleum Limited

Initial Effective Date - 15 August 1974

Participation Revised - 1 October 1987

\*Unitized Zone - Bow Island, Basal Colorado, and Glauconite Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Anadarko Petroleum of Canada Ltd.	5.49129
Bibler Oil & Gas Exploration Ltd.	0.08597
Canadian Superior Oil Ltd.	1.80559
Canpar Holdings Ltd.	16.80524
Corvair Oils Ltd.	0.83368
Dome Petroleum Limited	54.64560
Harrington Oil & Gas Exploration Ltd.	0.08597
Hudson's Bay Oil and Gas Company Limited	5.99224
Musketeer Energy Ltd.	3.06034
B. William Payne & Associates	0.81436
Petro-Canada Inc.	7.87448
Solar Energy Resources Ltd.	1.25051
United Canso Oil & Gas Ltd.	1.25473
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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**ENCHANT GAS UNIT****ERC**B

INITIAL EFFECTIVE DATE - 15 AUGUST 1974

UNIT OPERATOR- DOME PETROLEUM LIMITED

FENN BIG VALLEY VIKING GAS UNIT NO. 1

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 May 1980

Participation Revised - 6 November 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adeco Drilling and Engineering Co. Ltd.	0.25935
Albert Allison	0.94778
Anned Resources Ltd.	0.12965
Carolyn M. Bryan	0.00500
Claymore Minerals Ltd.	1.96275
Corexcal, Inc.	0.49817
D'Eldona Resources Ltd.	1.42167
Encor Energy Corporation Inc.	1.29600
Esso Resources Canada Limited	1.19709
First Calgary Petroleum Ltd.	0.57293
Gulf Canada Resources Limited	22.19162
Hudson's Bay Oil and Gas Company Limited	1.46311
Husky Oil Operations Ltd.	1.27690
J. M. Huber Corporation	0.68010
Kerr-McGee Corporation	2.31238
Knox Petroleum Industries Ltd.	1.30198
Lario Oil & Gas Company	3.03792
Mohawk Oil Co. Ltd.	4.43753
Gail F. Moulton Jr.	0.00499
Willis R. Moulton	0.00499
Musketeer Energy Ltd.	0.00195
Nicolas Gas & Oil Ltd.	2.13342
Oriole Energy Eastern Ltd.	1.97385
Pacific Lighting Exploration Company	0.99634
PanCanadian Petroleum Limited	22.38722
Penn West Petroleum Ltd.	0.00172
PensionFund Energy Resources Limited	2.36945
Petrorep (Canada) Ltd.	0.49818
Phillips Petroleum Canada Ltd.	0.48030
Ranger Oil Limited	9.70105

Working Interest OwnersPer Cent Participation

Seagull Resources Limited	0.35107
Shell Canada Limited	2.10300
Teepee Petroleums Ltd.	1.97385
Texaco Canada Resources	2.87665
Tri Link Resources Ltd.	0.21250
Westburn Petroleum & Minerals Ltd.	4.33990
Western Decalta Petroleum (1977) Limited	2.56496
Westmin Resources Limited	0.03268
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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R 22

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R 19 W 4 M

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FENN-BIG VALLEY VIKING GAS UNIT NO.1



INITIAL EFFECTIVE DATE - 1 MAY 1980

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED



FLAT LAKE GAS UNIT

Unit Operator - Canterra Energy Ltd.

Initial Effective Date - 1 March 1971

Participation Revised - 1 June 1987

\*Unitized Zone - Wabamun, Wabiskaw and Colony Formations

\*Unitized substance - Gas

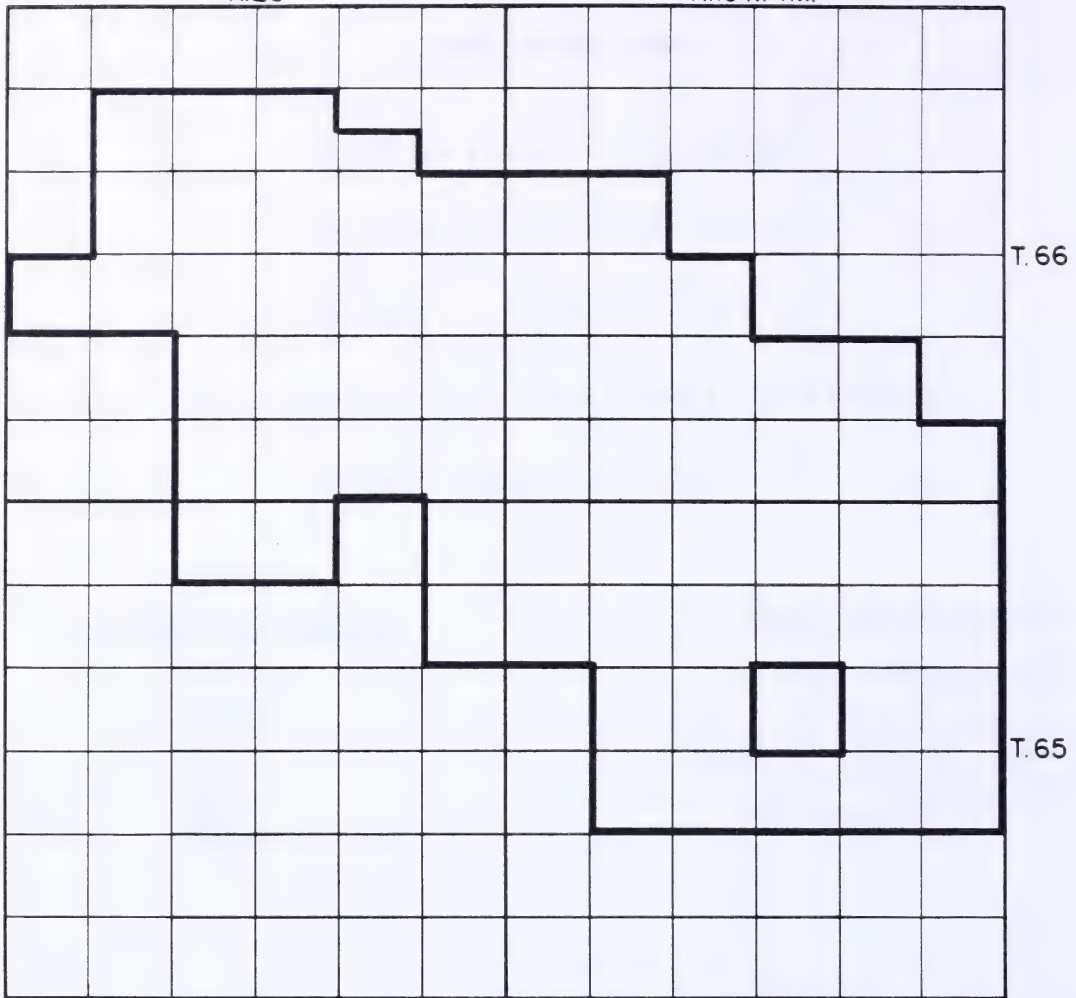
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Superior Oil Ltd.	12.5719
Canterra Energy Ltd.	23.2431
Esso Resources Canada Limited	39.4353
Harvard International Resources Ltd.	23.2431
Oakfern Petroleums Ltd.	0.0826
Westcoast Petroleum Ltd.	<u>1.4240</u>
	100.0000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.19W.4M.



INITIAL EFFECTIVE DATE - MARCH 1, 1971

UNIT OPERATOR - CANTERRA ENERGY LTD.

SOUTH GARRINGTON CARDIUM "B" UNIT NO. 1

Unit Operator - Sabre Energy Ltd.

Initial Effective Date - 1 October 1964

Participation Revised - 1 December 1987

\*Unitized Zone - Cardium "B" Formation

\*Unitized Substance - Petroleum natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
kh Resources Ltd.	40.286890
Sabre Energy Ltd.	51.989830
Texaco Canada Resources	7.723280
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances  
see Unit Documents.

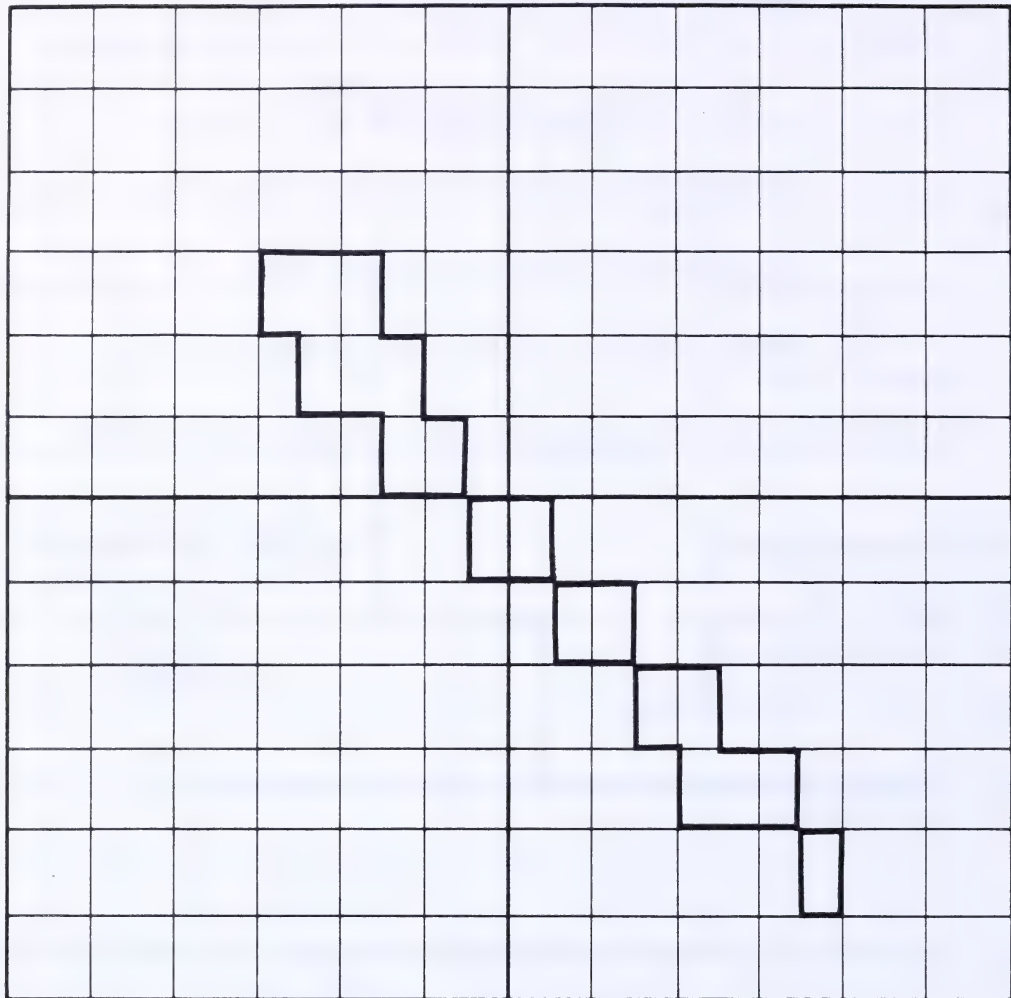
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SOUTH GARRINGTON CARDIUM "B" UNIT NO.1



INITIAL EFFECTIVE DATE - 1 OCTOBER 1964

UNIT OPERATOR- SABRE ENERGY LTD.

GHOST PINE UNIT

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 6 November 1967

Participation Revised - 16 November 1987

\*Unitized Zone - Basal Belly River, Viking, Upper Mannville, Glauconite,  
Basal Quartz, Pekisko and Banff

\*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adanac Oil & Gas Limited	0.002990
Amerada Minerals Corporation of Canada Ltd.	4.215760
Atcor Ltd.	0.491583
Baxter Lake Holding Company Limited	0.021518
BHP Petroleum (Canada) Syndicate	1.590403
Black Cat Oil and Gas Limited	0.155421
Bow River Pipelines Ltd.	1.301243
BP Resources Canada Limited	3.543678
Canadian Superior Oil Ltd.	0.722905
Chevron Canada Resources Limited	0.144573
Dome Petroleum Limited	0.154478
Gulf Canada Resources Limited	28.931492
J.M. Huber Corporation	4.919627
Hudson's Bay Oil and Gas Company Limited	3.455511
Husky Oil Operations Ltd.	1.735001
Mobil Oil Canada, Ltd.	3.513351
Mosswood Oil and Gas Ltd.	0.115660
Murphy Oil Company Ltd.	3.149964
Musketeer Energy Ltd.	2.062418
Norcen Energy Resources Limited	9.802104
Bryan W. Payne	3.501238
Pembina Resources Ltd.	10.187655
Petro-Canada Inc.	0.467172
Prairie Oil Royalties Company Ltd.	1.360081

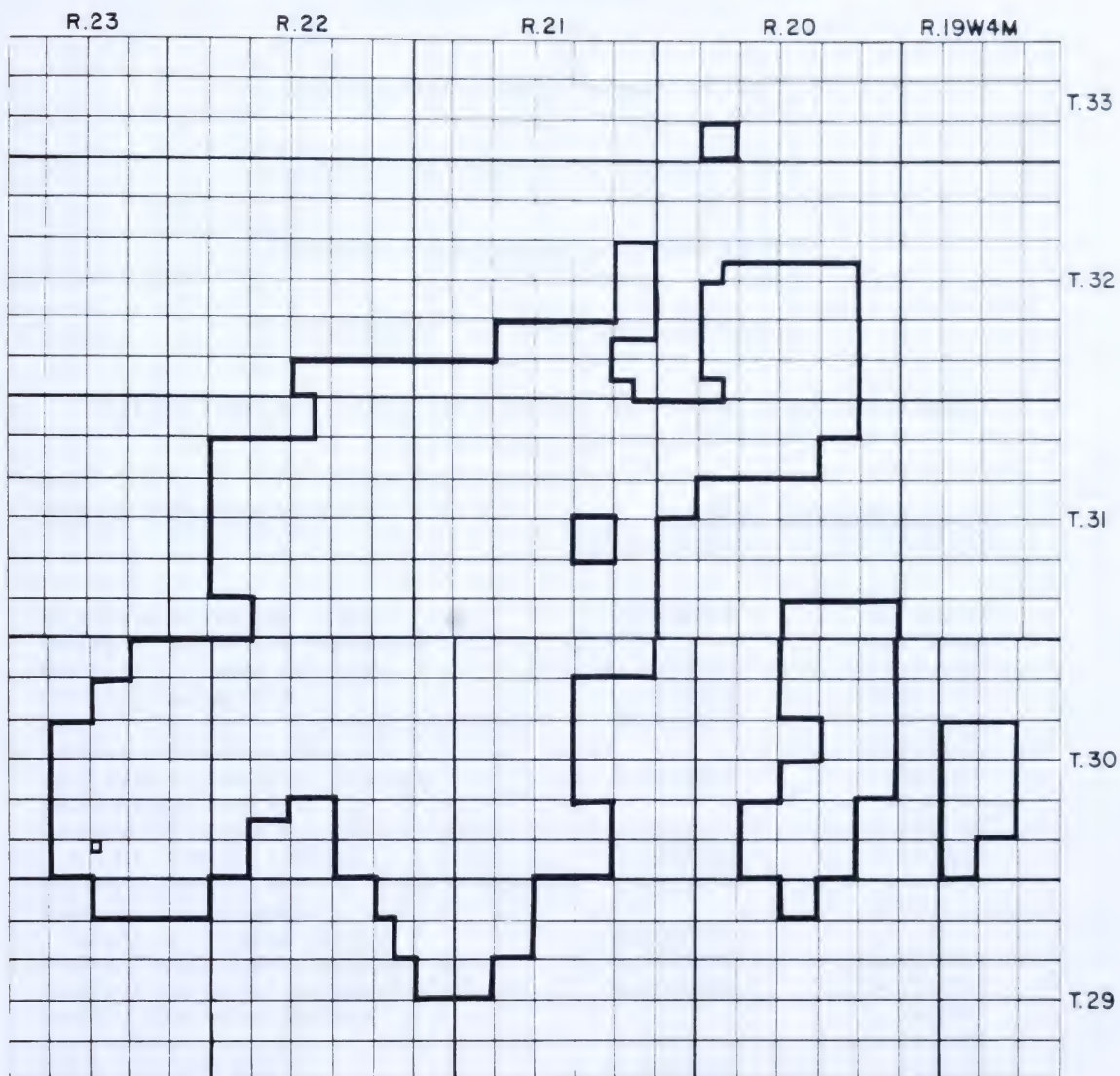
Working Interest OwnersPer Cent Participation

Sabre Petroleum Ltd.	1.776494
Scotia Oils Limited	0.216869
Spruce Hills Production Company, Inc.	1.750615
Suncor Inc.	6.607413
Western Decalta Petroleum (1977) Limited	<u>4.102783</u>
	100.000000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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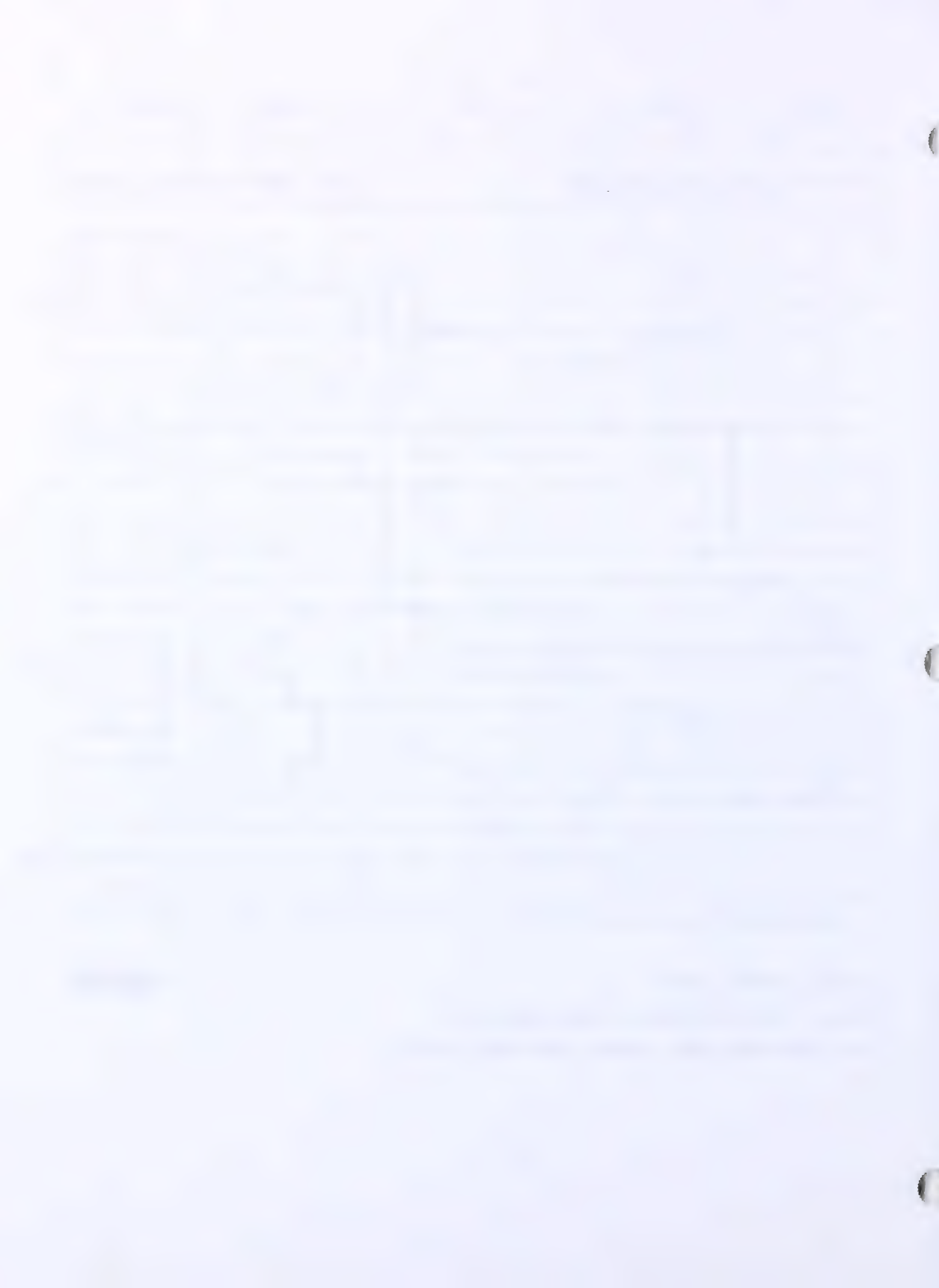


# GHOST PINE UNIT

INITIAL EFFECTIVE DATE - 6 NOVEMBER 1967

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED







HARMATTAN EAST UNIT NO. 1

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 September 1962

Participation Revised - 1 October 1987

\*Unitized Zone - Turner Valley Formation

Unitized Substance - Oil, solution gas, gas cap gas, and condensate

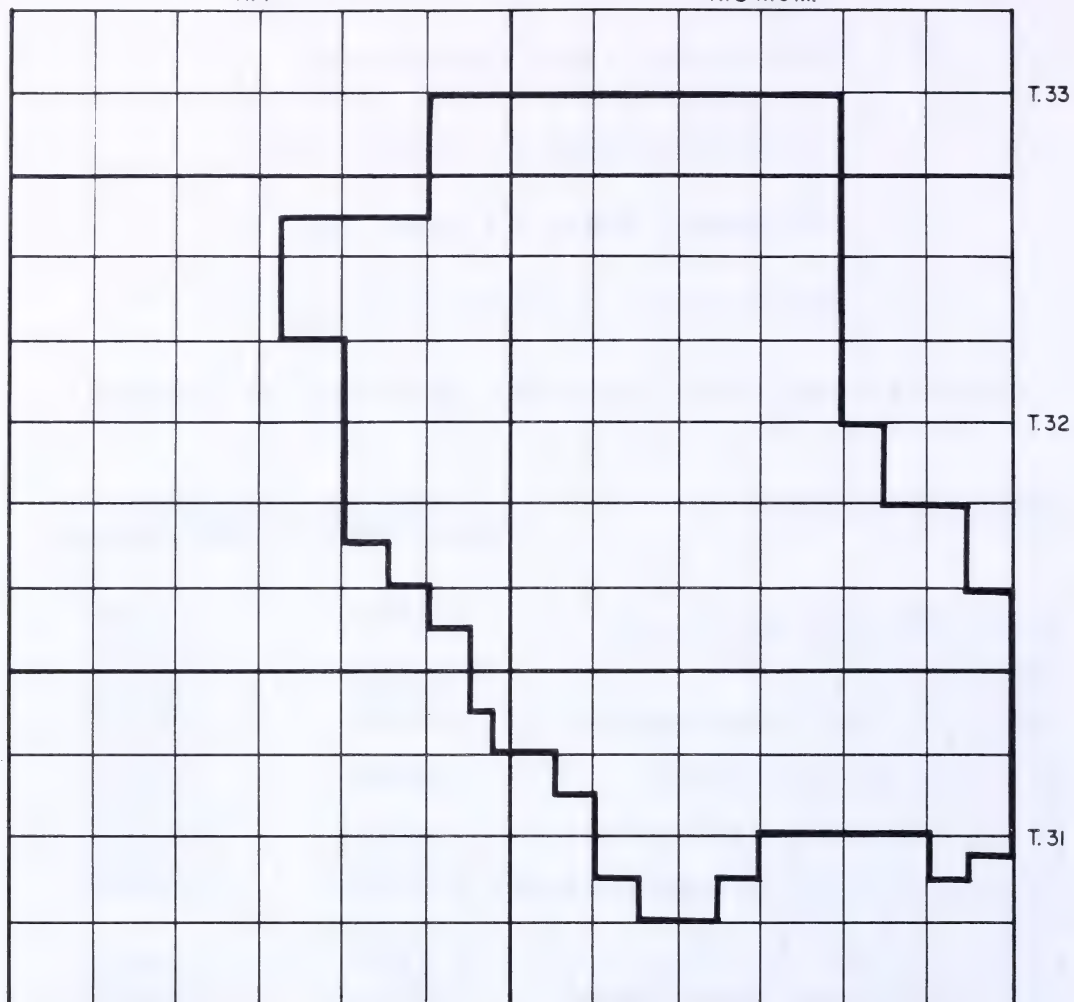
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Oil Interests</u>	<u>Gas Interests</u>
BP Resources Canada Limited	1.0188148	0.1435995
Canadian Occidental Petroleum Ltd.		0.1833450
Canadian Superior Oil Ltd.	43.3213326	44.1266963
Canterra Energy Ltd.	1.7001413	0.1041375
Comaplex Resources International Ltd.	0.2296956	0.0134352
Faraday Resources Inc.		0.0733520
Gulf Canada Resources Limited	0.6802812	1.6344267
Harman Resources Ltd.		0.0183380
Harvard International Resources Ltd.	0.5667137	0.0347125
Home Oil Company Limited	1.1334275	1.1467265
Hudson's Bay Oil and Gas Company Limited	0.6000000	1.0896605
Montreal Trust Company, Estate of Raymond R. Dial	0.2029050	
Norcen Energy Resources Limited	4.5435995	16.1077741
Northern Development Company Limited	1.0018938	0.0514515
Pembina Resources Limited		0.0041947
Petro-Canada Inc.	1.1285300	0.8611400
Shell Canada Limited	41.8956900	34.1952950
Suncor Inc.	0.5566400	0.0283700
Texaco Canada Resources		0.1833450
Total Petroleum Canada Ltd.	1.0145250	
Zeus Oils and Holdings Ltd.	0.4058100	
	<u>100.0000000</u>	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R. 3 W. 5 M.



**ERC**

INITIAL EFFECTIVE DATE- 1 SEPTEMBER 1962

UNIT OPERATOR - SHELL CANADA LIMITED

HARMATTAN EAST VIKING UNIT NO. 1

Unit Operator - Canadian Superior Oil Ltd.

Initial Effective Date - 1 October 1986

Participation Revised - 1 December 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Arrandale Resources Ltd.	0.284668
Assiniboine Land Services Ltd.	0.192991
Bowtex Energy (Canada) Corporation	1.407744
Brown Energy Ltd.	0.439057
Canadian Bashaw Resources Ltd.	0.439057
Canadian Pioneer Oils Ltd.	0.903863
Canadian Superior Oil Ltd.	40.867440
Canadian Westgrowth Ltd.	0.845498
Cooperative Energy Development Corporation	4.033748
Headco Exploration Co. Ltd.	2.753111
Home Oil Company Limited	0.331698
Hudson's Bay Oil and Gas Company Limited	3.726373
Keystone Resources Ltd.	0.817831
L. H. Ullly Holdings Ltd.	0.007653
Lancaster Capital Group Ltd.	0.428988
Lario Oil and Gas Company	5.506225
Mission Resources Limited	1.444981
Moraine Production Co. Ltd.	1.029003
Morgan Hydrocarbons Inc.	0.215742
Norcen Energy Resources Limited	17.046796
Norwich Resources Canada Ltd.	0.610974
Pennzoil Petroleums Ltd.	0.195094
Quesaida Investments Ltd.	0.107247
Scurry-Rainbow Oil Limited	0.165851
Shell Canada Limited	8.240225
Stephen Oil Limited	0.205425
Stone Petroleum Ltd.	0.219529
Total Petroleum Canada Ltd.	0.306069

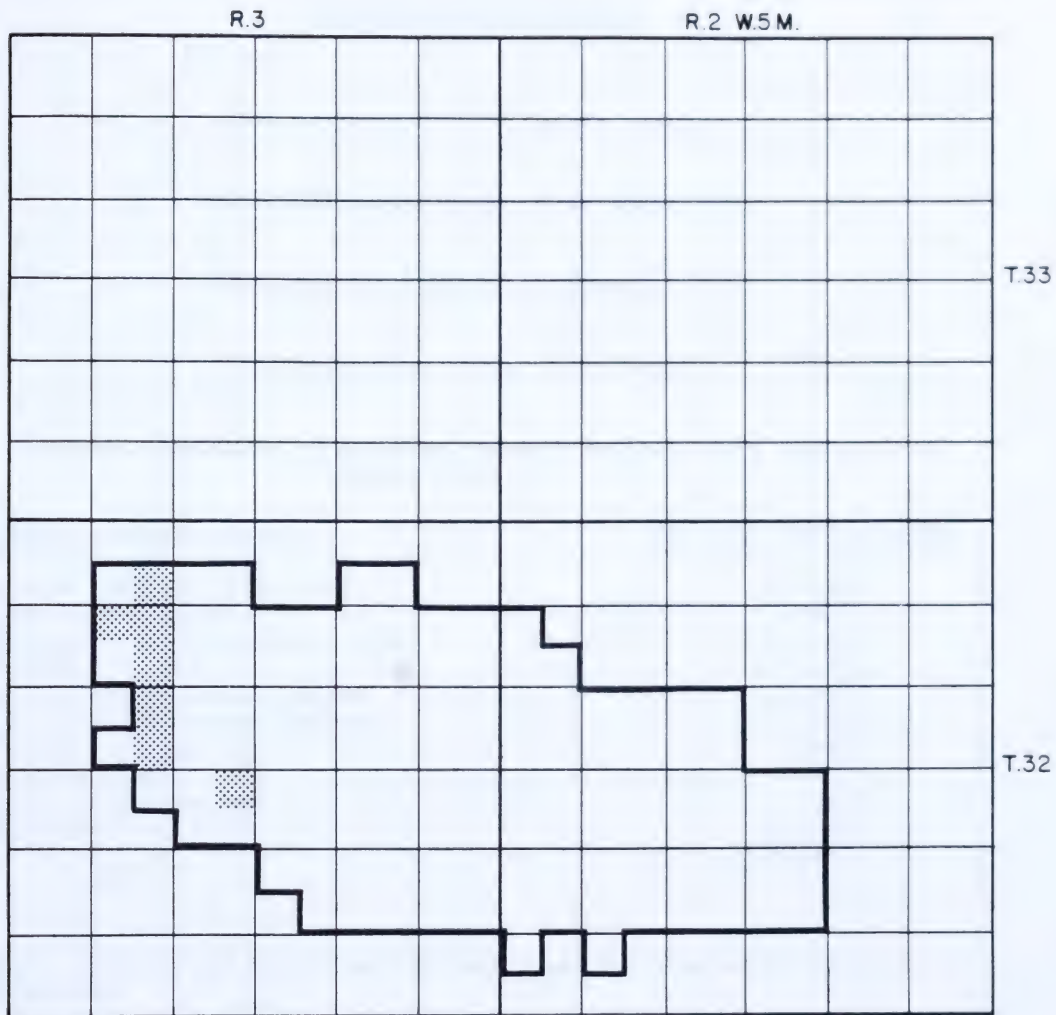
Working Interest OwnersPer Cent Participation

Trans-Canada Resources Ltd.	2.246189
Trans-Dominion Energy Corporation	0.441000
Unocal Canada Limited	<u>4.539930</u>
	100.000000

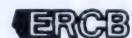
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



# HARMATTAN EAST VIKING UNIT NO.1



INITIAL EFFECTIVE DATE — 1 OCTOBER 1986

UNIT OPERATOR — CANADIAN SUPERIOR OIL LTD.

AREA OF CHANGE EFFECTIVE — 1 DECEMBER 1987 





HOUSE MOUNTAIN UNIT NO. 2

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 November 1967

Participation Revised - 1 November 1987

\*Unitized Zone - Swan Hills Member

\*Unitized Substances - Petroleum, natural gas and other hydrocarbons  
(except Coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Superior Oil Ltd.	15.00569
Chair Resources Inc.	2.68255
Chevron Canada Resources Limited	14.11088
Corvair Oils Ltd.	0.22712
Esso Resources Canada Limited	2.29970
Gulf Canada Resources Limited	2.52226
Musketeer Energy Ltd.	7.94262
Petrobec Limited	3.97132
Placer CEGO Petroleum	0.75092
Shell Canada Limited	50.48694
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.11

R.10W.5M.

T.70

T.69

## HOUSE MOUNTAIN UNIT NO.2

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1967

UNIT OPERATOR- SHELL CANADA LIMITED



HUXLEY GAS UNIT NO. 1

Unit Operator - Sceptre Resources Limited

Initial Effective Date - 1 June 1972

Participation Revised - 1 October 1987

\*Unitized Zone - Viking, Glauconite and Basal Quartz Formations

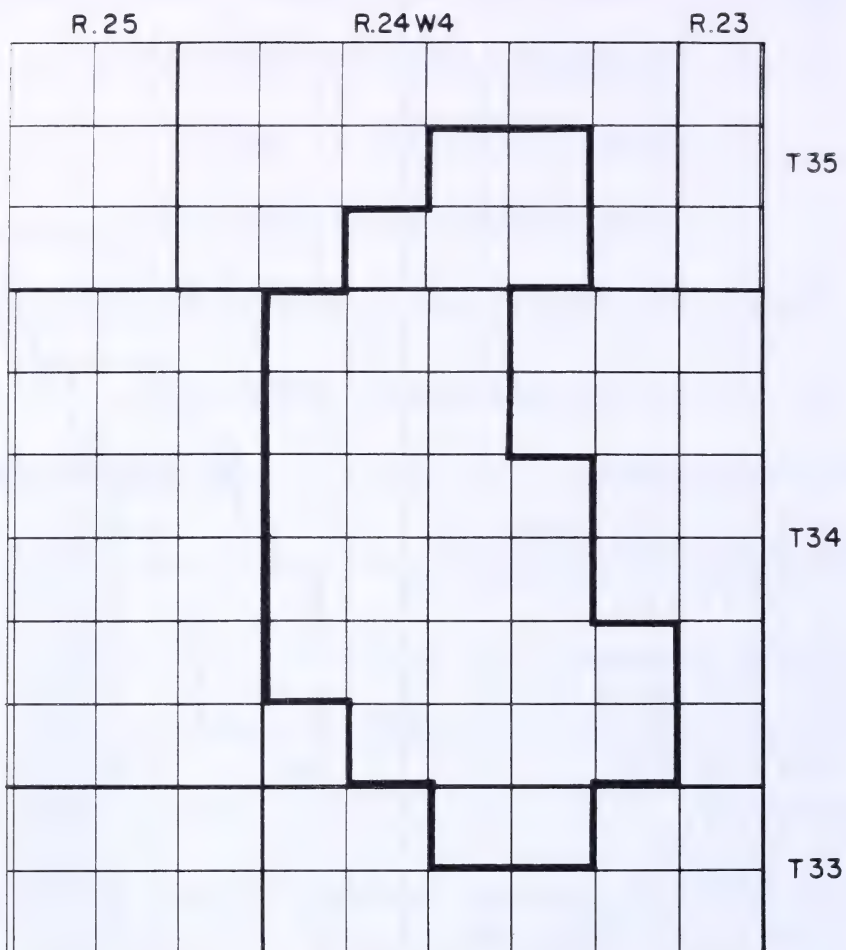
\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	6.316229
Canadian Natural Resources Limited	5.659789
Comaplex Resources International Ltd.	5.675405
Copetrex Oil & Gas Co. Ltd.	2.837703
Corexcal Inc.	1.313157
Dorset Energy Corporation	2.270162
Highland Crow Resources Ltd.	0.572138
Hudson's Bay Oil and Gas Company Limited	3.072228
Husky Oil Corporation Ltd.	5.433497
Kerr McGee Corporation	0.713542
Martin, Antia M.	1.135082
McFeely, Marian E.	1.135082
McFeely, Michael B.	1.702624
Mobil Oil Canada Ltd.	3.716093
NCE Oil & Gas (86-1) Ltd.	2.270162
Pacific Lighting Exploration Ltd.	2.626319
PanCanadian Petroleum Limited	16.902579
Petrorep (Canada) Ltd.	1.313157
Reco Management Enterprises Ltd.	2.270162
Sceptre Resources Limited	18.321178
Sunlite Oil Company Limited	2.698044
Trilogy Resources Corporation	3.659240
Universal Explorations Ltd.	0.262633
Westcoast Petroleum Ltd.	5.760105
Western Decalta Petroleum 1977 Ltd.	2.363690
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



# HUXLEY GAS UNIT NO. 1

INITIAL EFFECTIVE DATE - JUNE 1, 1972

UNIT OPERATOR - SCEPTRE RESOURCES LIMITED



INNISFAIL LEDUC REEF UNIT

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 November 1960

Participation Revised - 1 October 1987

\*Unitized Zone - Leduc Reef

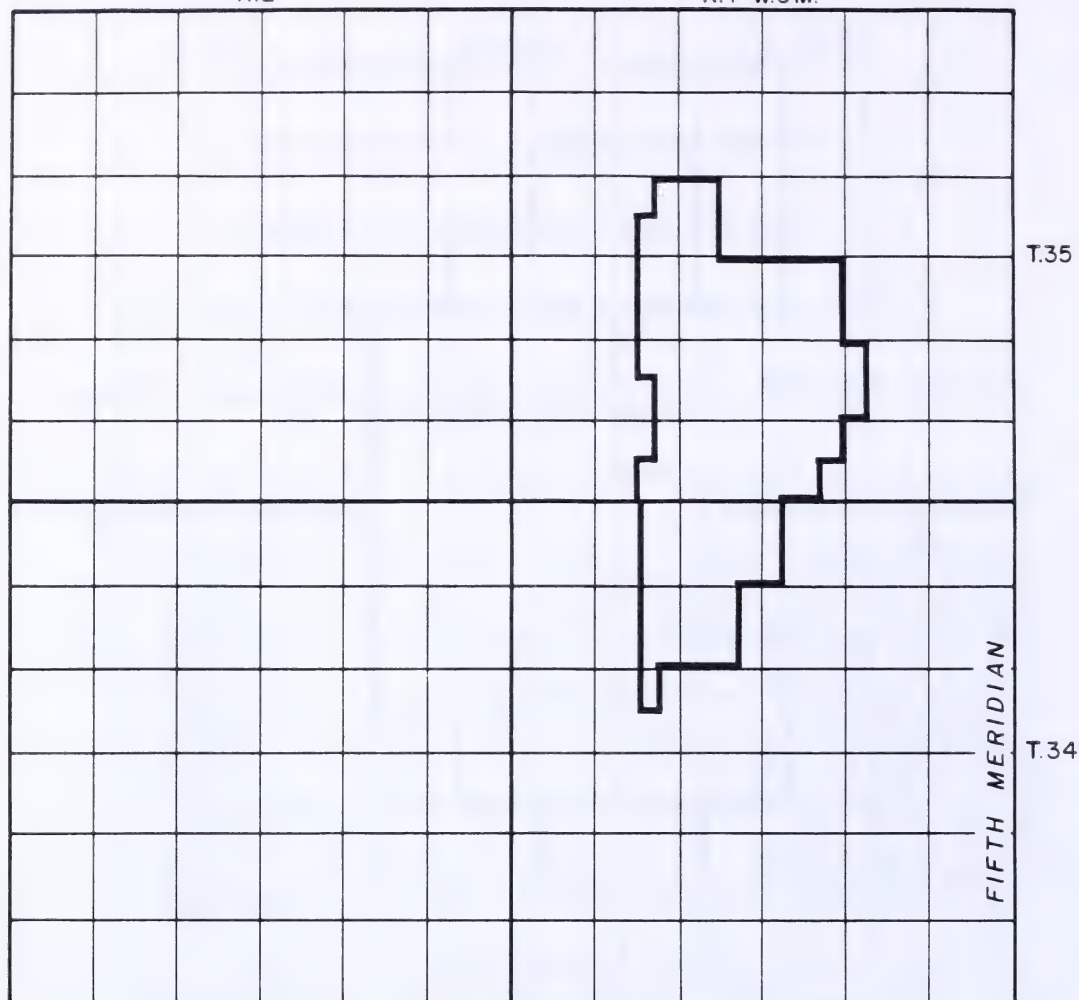
\*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Superior Oil Ltd.	33.1989
Chevron Canada Resources Limited	2.2560
Encor Energy Corporation Inc.	0.1595
Esso Resources Canada Limited	10.4546
Gulf Canada Resources Limited	2.5263
Hudson's Bay Oil and Gas Company Limited	22.3535
Petro-Canada Inc.	3.2916
Samedan Oil of Canada Limited	0.3811
Shell Canada Limited	22.6499
The Paddon Hughes Development Co. Ltd.	0.9150
Texaco Canada Resources	0.3865
Unocal Canada Limited	1.2356
William John Edgar	0.1915
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

R.1 W.5M.



**ERCB**

UNIT OPERATOR- SHELL CANADA LIMITED

JOARCAM VIKING UNIT NO. 1

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 March 1963

Participation Revised - 1 November 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Bankeno Resources Limited	0.8775
Canadian Superior Oil Ltd.	4.8274
Chevron Canada Resources Limited	5.2109
Esso Resources Canada Limited	62.3690
Gulf Canada Resources Limited	6.9288
Home Oil Company Limited	4.8274
Hudson's Bay Oil and Gas Company Limited	3.4600
Norcen Energy Resources Limited	1.0586
PanCanadian Petroleum Limited	0.1844
Saba Energy Ltd.	1.2203
Scurry-Rainbow Oil Limited	0.2687
Shell Canada Limited	5.2941
Suncor Inc.	3.4729
	<u>100.0000</u>

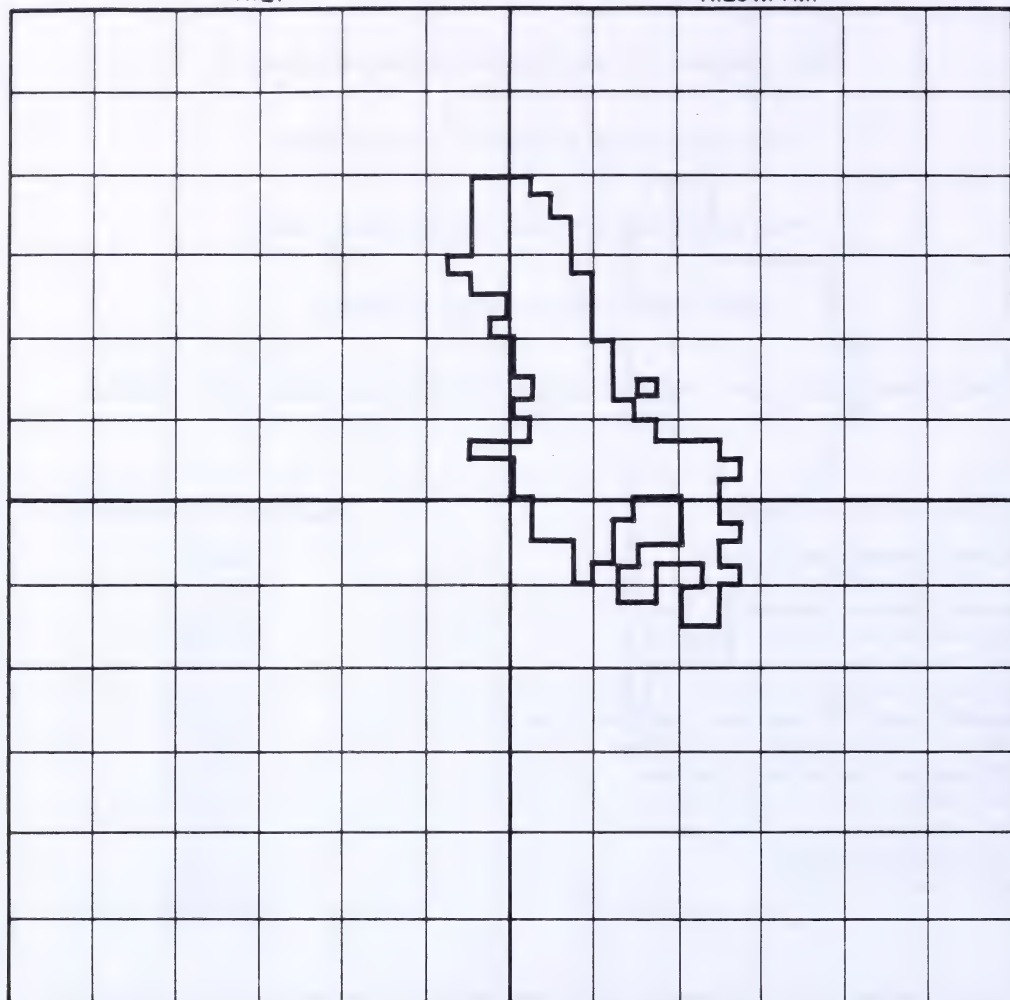
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.21

R.20W.4M.



T.48

T.47

## JOARCAM VIKING UNIT NO.1

INITIAL EFFECTIVE DATE - 1 MARCH 1963

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED



JOARCAM VIKING UNIT NO. 2

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 February 1967

Participation Revised - 1 October 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Aberdeen Petroleum Limited	4.8901620
Bankeno Resources Ltd.	1.9573800
Canadian Superior Oil Ltd.	1.2459850
Canterra Energy Ltd.	0.1460370
Esso Resources Canada Limited	25.5810610
Gulf Canada Resources Limited	19.2564550
Hudson's Bay Oil and Gas Company Limited	9.4200400
ICG Resources Ltd.	8.2336280
Kindred LaBorde	0.0853855
Norcen Energy Resources Limited	2.9140770
North Canadian Oils Limited	10.3306720
Owen Investors Limited	0.0853855
PanCanadian Petroleum Limited	5.3090050
Petro-Canada Inc.	5.2835490
RTEC One Resources Inc.	2.2888660
Scurry Rainbow Oil Limited	0.4803420
Shell Canada Limited	2.4919700
	<u>100.0000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta





JOARCAM VIKING UNIT NO. 3

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 February 1967

Participation Revised - 1 October 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

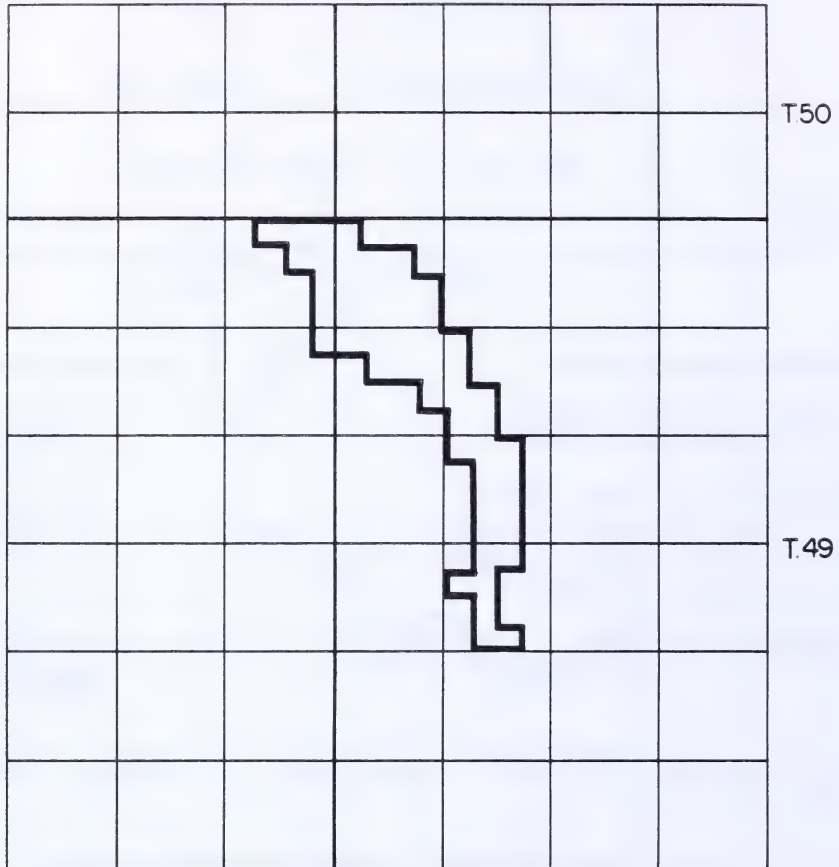
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Aberdeen Petroleum Limited	0.938114
BP Resources Canada Limited	3.934665
Drillmex Limited	0.102047
Esso Resources Canada Limited	43.111941
Gulf Canada Resources Limited	37.129071
Hudson's Bay Oil and Gas Company Limited	2.595508
Norcen Energy Resources Limited	2.197678
Petro-Canada Inc.	4.497145
Shell Canada Limited	1.250820
Western Decalta Petroleum (1977) Limited	4.243011
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.21W.4M.



INITIAL EFFECTIVE DATE FEBRUARY 1, 1967

ENERGY RESOURCES CONSERVATION  
CALGARY, ALBERTA

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1969

Participation Revised - 1 September 1987

\*Unitized Zone - Nisku Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Asamera Inc.	0.12203
Balmer Enterprises Inc.	0.20226
Canada Northwest Energy Limited	0.48280
Canadian Superior Oil Ltd.	8.29427
Canterra Energy Ltd.	0.07932
Caroline Petroleums (1985) Ltd.	0.15688
Chair Holdings Limited	3.96651
Chevron Canada Resources Limited	18.99677
Esso Resources Canada Limited	28.51571
Gulf Canada Resources Limited	1.37949
Hudson's Bay Oil and Gas Company Limited	3.40102
Musketeer Energy Ltd.	2.67721
New York Oils Limited	0.40203
Norcen Energy Resources Limited	2.75344
Petro-Canada Inc.	7.70335
Ranger Oil Limited	2.51793
Scurry-Rainbow Oil Limited	0.41111
Shell Canada Limited	4.32411
Simpson Resources Limited	0.47296
Suncor Inc.	7.18575
Texaco Canada Resources	2.80375
Total Petroleum Canada Ltd.	1.54280
United Canso Oil & Gas Ltd.	0.08440
Unocal Canada Limited	0.91841
Western Decalta Petroleum (1977) Limited	0.60569
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

A 10x10 grid with a black stepped line forming a jagged path across it. The path starts at the bottom-left, moves up and right in a series of steps, crosses the center, and continues up and right towards the top-right corner.

A 10x10 grid with a black stepped line forming a jagged path across it. The path starts at the bottom-left, moves up and right in a series of steps, crosses the center, and continues up and right towards the top-right corner.

A 10x10 grid with a black stepped line forming a jagged path across it. The path starts at the bottom-left corner (row 10, column 1) and moves generally towards the top-right, with several horizontal and vertical segments of varying lengths. The path ends at the top-right corner (row 1, column 10).

JOFFRE D-2 UNIT NO.1

**ERCB**

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1969

UNIT OPERATOR- ESSO RESOURCES CANADA LIMITED



LEDUC WOODBEND D-2 UNIT

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 October 1960

Participation Revised - 1 December 1987

\*Unitized Zone - Nisku D-2 Formation

\*Unitized Substance - Crude oil, natural gas, condensate and all other  
hydrocarbons (except coal)

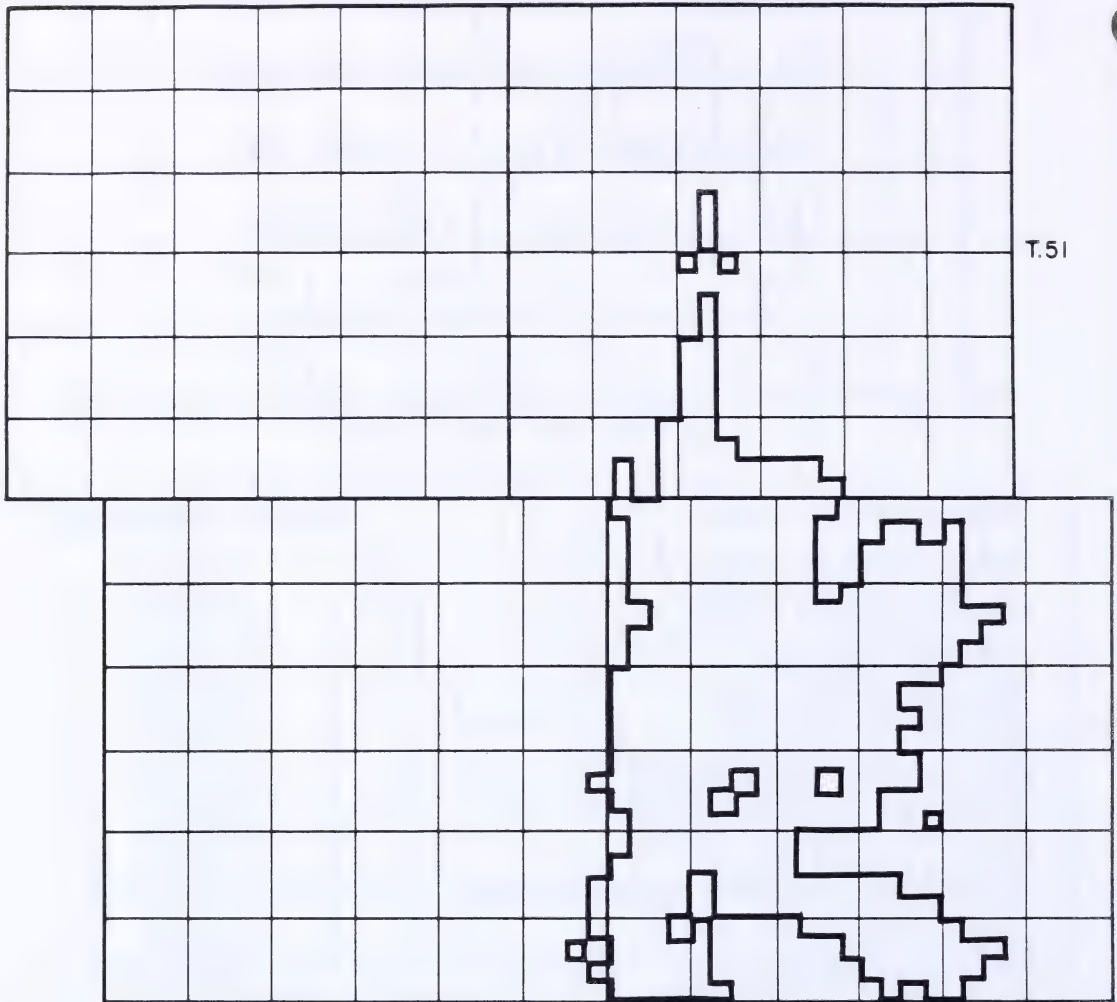
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Bankeno Resources Limited	0.09070
Bow Valley Industries Ltd.	0.50960
Canadian Superior Oil Ltd.	0.93306
Canadian Westgrowth Ltd.	0.36930
Canterra Energy Ltd.	0.45250
Centipede Holdings Ltd.	0.45250
Chair Holdings Limited	1.60810
Chevron Canada Resources Limited	0.39120
Esso Resources Canada Limited	69.15510
Guaranty Trust Company of Canada	0.32070
Gulf Canada Resources Limited	0.27845
Home Oil Company Limited	3.92391
Hudson's Bay Oil and Gas Company Limited	4.38150
Husky Oil Operations Ltd.	1.32630
Magnum Resources Ltd.	0.13360
Mutual Holdings Limited	0.62910
Norcen Energy Resources Limited	1.19530
Norcen Energy Resources Limited	0.43010
Petro-Canada Inc.	1.82030
Saba Energy Ltd.	0.07420
Sereda Oils Ltd.	0.65350
Shell Canada Limited	2.76863
Suncor Inc.	1.30700
Texaco Canada Resources	0.27845
United Canso Oil and Gas Ltd.	1.44390
Well Operators Limited	2.29610
Westburne Petroleum and Minerals Ltd.	2.49340
Western Decalta Petroleum (1977) Limited	0.28350
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.26W.4M.



**ERC**

UNIT OPERATOR – ESSO RESOURCES CANADA LIMITED

LOOKOUT BUTTE RUNDLE UNIT NO. 1

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 July 1963

Participation Revised - 1 October 1987

\*Unitized Zone - Rundle Formation

\*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

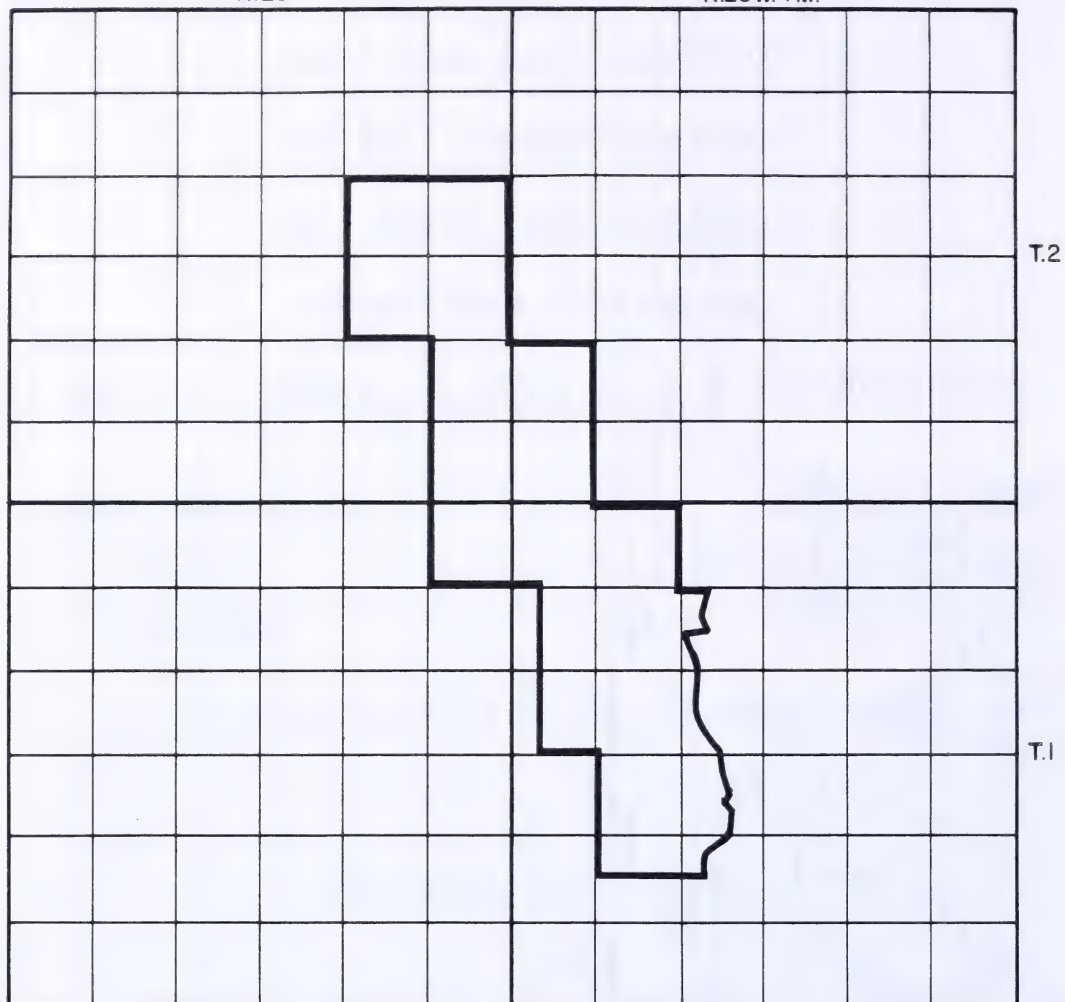
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Superior Oil Ltd.	1.367587
Gulf Canada Resources Limited	52.632413
Shell Canada Limited	46.000000
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.28W.4M.

**ERCB**

UNIT OPERATOR-SHELL CANADA LIMITED

MALMO D-3B GAS UNIT

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 March 1977

Participation Revised - 16 October 1987

\*Unitized Zone - Leduc Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	7.959660
Bow Valley Industries Ltd.	21.347380
Gulf Canada Resources Limited	34.621580
Norcen Energy Resources Limited	0.842660
Parasol Oil & Gas Ltd.	4.158740
Petro-Canada Inc.	7.960130
John H. Rathwell	0.693130
RTEC One Resources Inc.	11.235470
John A. Tessari	0.693130
Texaco Canada Resources	7.960130
Western Decalta Petroleum (1977) Limited	2.527990
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

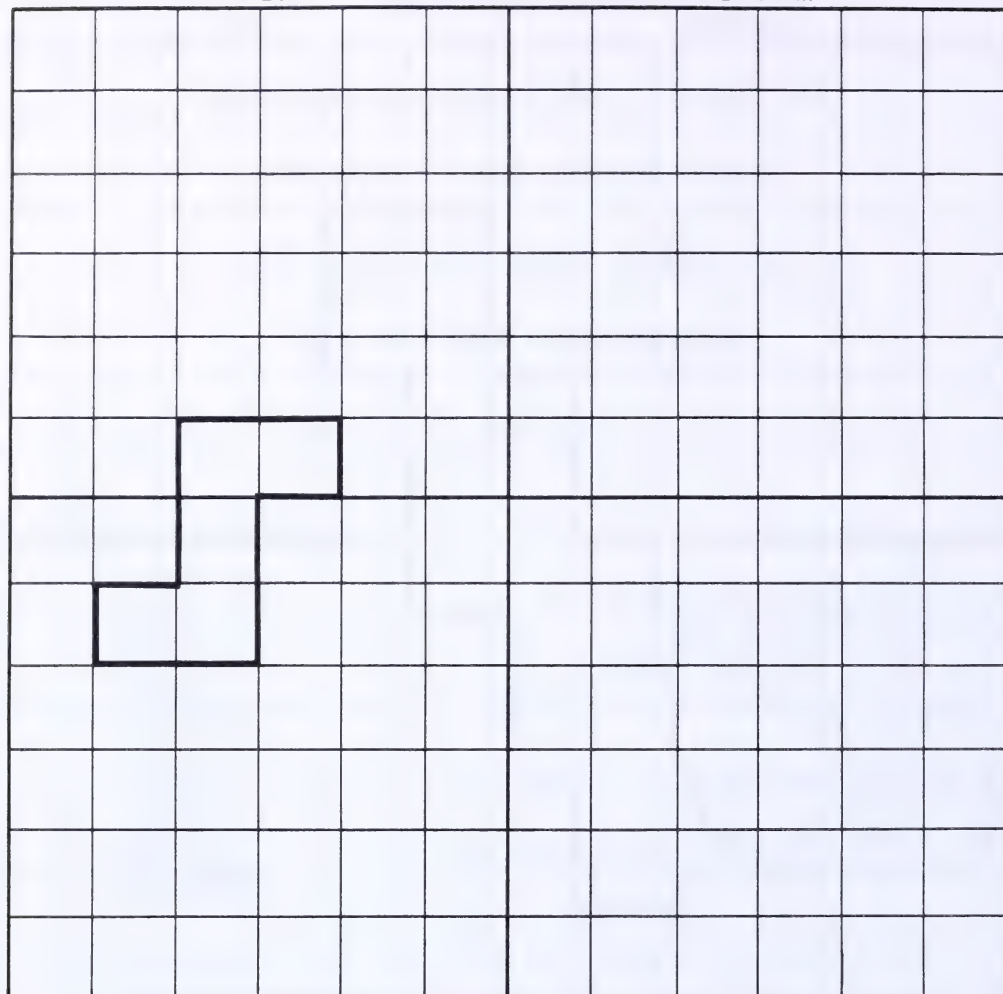
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



R. 22

R 21 W. 4 M.



T. 44

T. 43

MALMO D-3B GAS UNIT

**ERCB**

INITIAL EFFECTIVE DATE- 1 MARCH 1977

UNIT OPERATOR- GULF CANADA RESOURCES LIMITED

MARKERVILLE GAS UNIT NO. 1

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 May 1982

Participation Revised - 1 November 1987

\*Unitized Zone - Pekisko Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Altont Holdings Ltd.	0.03737
Amoco Canada Petroleum Company Ltd.	67.11662
Canada Northwest Energy Limited	2.45916
Canpar Holdings Ltd.	4.03028
Czar Resources Ltd.	0.33196
Dome Petroleum Limited	2.55414
Ghost River Resources Ltd.	2.32285
Lacana Petroleum Limited	0.24913
Northern Development Company Limited	0.02901
Orbit Oil & Gas Ltd.	6.50647
PanCanadian Petroleum Limited	1.41777
Petrorep (Canada) Ltd.	0.02176
Priddis Petroleums Limited Partnership	0.67266
Sceptre Resources Limited	0.15622
Sienna Resources Limited.	0.97496
Solstead Farms Ltd.	2.94225
Spindle - Top Investments Ltd.	0.03737
United Canso Oil & Gas Ltd.	1.78326
Unocal Canada Limited	6.35676
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	100.00000

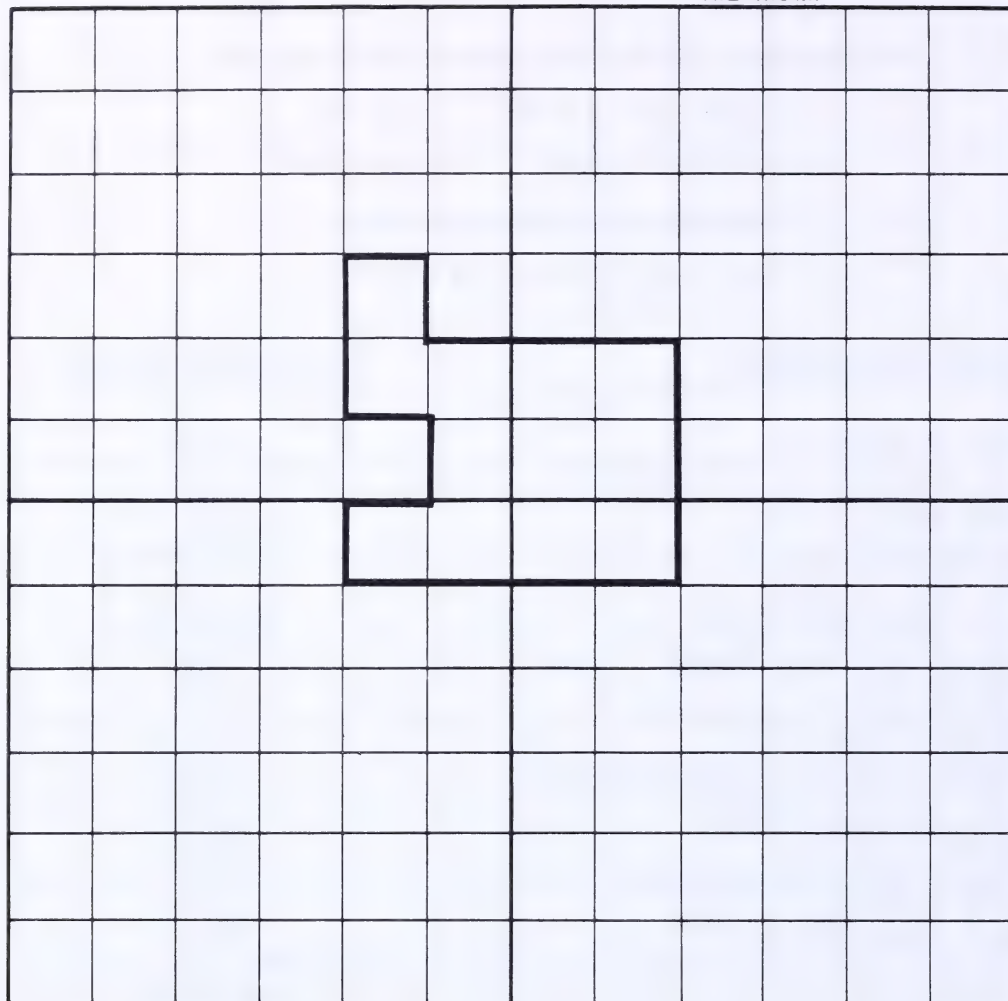
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.3

R.2 W.5M.



T.36

T.35

MARKERVILLE GAS UNIT NO.1



INITIAL EFFECTIVE DATE- 1 MAY 1982

UNIT OPERATOR- AMOCO CANADA PETROLEUM COMPANY LTD.

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 May 1987

Participation Revised - 19 October 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Interim</u>	<u>Final</u>
Adeco Drilling and Engineering Company Ltd.	2.01723	2.20590
Amoco Canada Petroleum Company Ltd.	2.40120	2.34354
Atcor Ltd.	1.57414	1.16279
BP Resources Canada Limited	0.81743	0.85531
Barnwell of Canada Limited	3.13855	3.47491
Blue Range Resources Limited	5.14648	4.36344
C & T Resources (Canadian Jorex Limited)	5.09165	5.00313
Canadian Superior Oil Limited	4.62745	5.02659
Canterra Energy Ltd.	1.64234	1.50027
Caroline Petroleum (85 Ltd.)	0.42452	0.48255
Centipede Holdings Ltd.	0.23013	0.17136
Chevron Canada Resources Limited	0.54632	0.44933
Cheyenne Petroleum Corporation (NPL)	4.07506	4.54492
Cooperative Energy Development Corporation	2.50183	2.79144
Czar Resources Limited	1.99086	1.98016
Dekalb Petroleum Corporation	0.13280	0.21240
Drummond Oil & Gas Limited	0.28533	0.20866
Encor Energy Corporation Ltd.	1.19520	1.22331
Glenex Industries Inc.	0.48302	0.35587
Gulf Canada Resources Limited	19.56238	20.26774
Harvard International Resources Ltd.	0.62677	0.73393
Hudson's Bay Oil and Gas Company Limited	8.36640	8.56317
Inverness Petroleum Limited	0.04427	0.07080
Kerr-McGee Corporation	1.51786	1.59145
Lario Oil & Gas Company	3.90314	4.28592
Lazy U Cattle Company	0.10851	0.12686
Luscar Ltd.	1.35620	1.13160
Maxus Energy Canada Ltd.	0.11185	0.17899
Ross R. McKinnon	0.16276	0.19031
R. W. Mitten Enterprises Ltd.	0.84901	0.96509
Norcen Energy Resources Limited	1.35619	1.13159
Paddon Hughes Development Company Limited	5.37099	5.99675
PanCanadian Petroleum Limited	2.52090	2.17625

Working Interest Owners

	<u>Per Cent Participation</u>	
	<u>Interim</u>	<u>Final</u>
Pembina Resources Limited	4.02315	3.08011
Pencor Petroleum Limited	0.02213	0.03540
Polarex Services (1982) Limited	0.16275	0.19030
Resman Holdings Limited	4.86310	4.37820
Sabre Petroleums Limited	2.35652	2.16405
Sceptre Resources Limited	0.66674	0.48713
Seapoint Holdings Limited	0.43405	0.50749
Suncor Inc.	2.72204	2.80757
Universal Explorations Ltd.	0.14623	0.10087
307964 Alberta Ltd.	0.42452	0.48255
	<u>100.00000</u>	<u>100.00000</u>

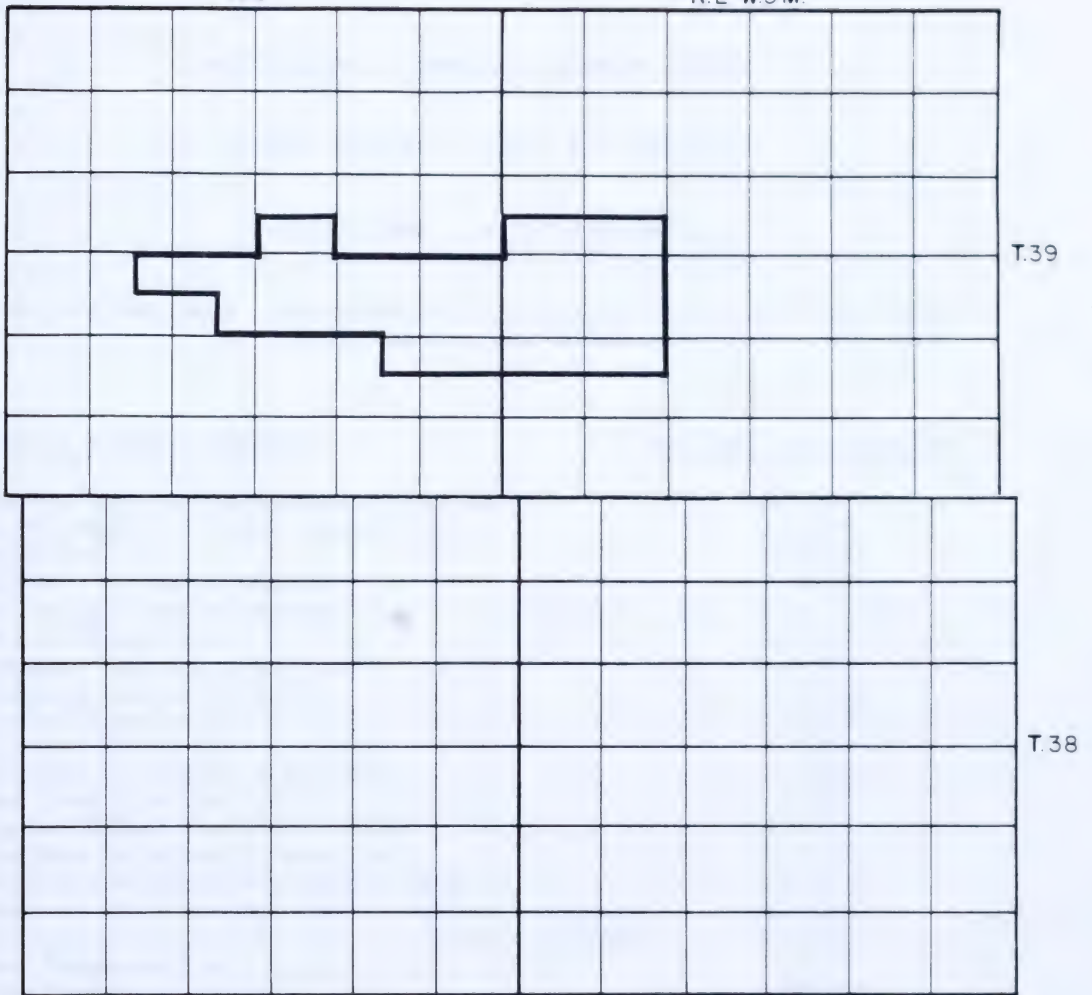
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



R.2 W.5 M.



ERC

UNIT OPERATOR- GULF CANADA RESOURCES LIMITED



Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 April 1987

\*Unitized Zone - Ostracod Formation

\*Unitized Substance - Petroleum, natural gas, other hydrocarbons (except coal), raw gas, and condensate

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	0.551496
Amoco Canada Petroleum Company Ltd.	2.062847
ATCOR Ltd.	7.166206
Barnwell of Canada Limited	3.084804
Bow Valley Industries Ltd.	0.164741
Bowtex Energy Ltd.	0.087706
Canadian Roxy Petroleum Ltd.	0.916721
Canadian Superior Oil Ltd.	5.275976
Candor Investments Ltd.	0.656093
Canterra Energy Ltd.	3.954224
Caroline Petroleums (1985) Ltd.	0.312631
Centipede Holdings Ltd.	1.453460
Chevron Canada Resources Limited	3.427217
Cheyenne Petroleum Corporation	3.761365
Cooperative Energy Development Corporation	3.819450
Copetrex Oil & Gas Co. Ltd. (Sixth Program)	0.217953
Copetrex Oil & Gas Co. Ltd. (Seventh Program)	0.217952
Czar Resources Ltd.	0.363367
Dome Petroleum Limited	0.933368
Drummond Oil & Gas Ltd.	1.782297
EMB Management Consultants Ltd.	0.013959
Glenex Industries Inc.	3.024108
Grandex Energy Ltd.	0.019119
Gulf Canada Resources Limited	1.525584
Hartwell Management Ltd.	0.032749
Harvard International Resources Ltd.	0.365729
Hudson's Bay Oil and Gas Company Limited	1.274574
HXC Corporation	0.247111
Kerr-McGee Corporation	3.054025
Lario Oil & Gas Company	2.672782
Leddy Exploration Limited	0.444470
Robert L. McNamara Leaseholds Ltd.	0.038129
RW Mitten Enterprises Ltd.	0.625263
Oakwood Petroleums Ltd.	1.857925
Orbit Oil & Gas Ltd.	0.456184

Working Interest OwnersPer Cent Participation

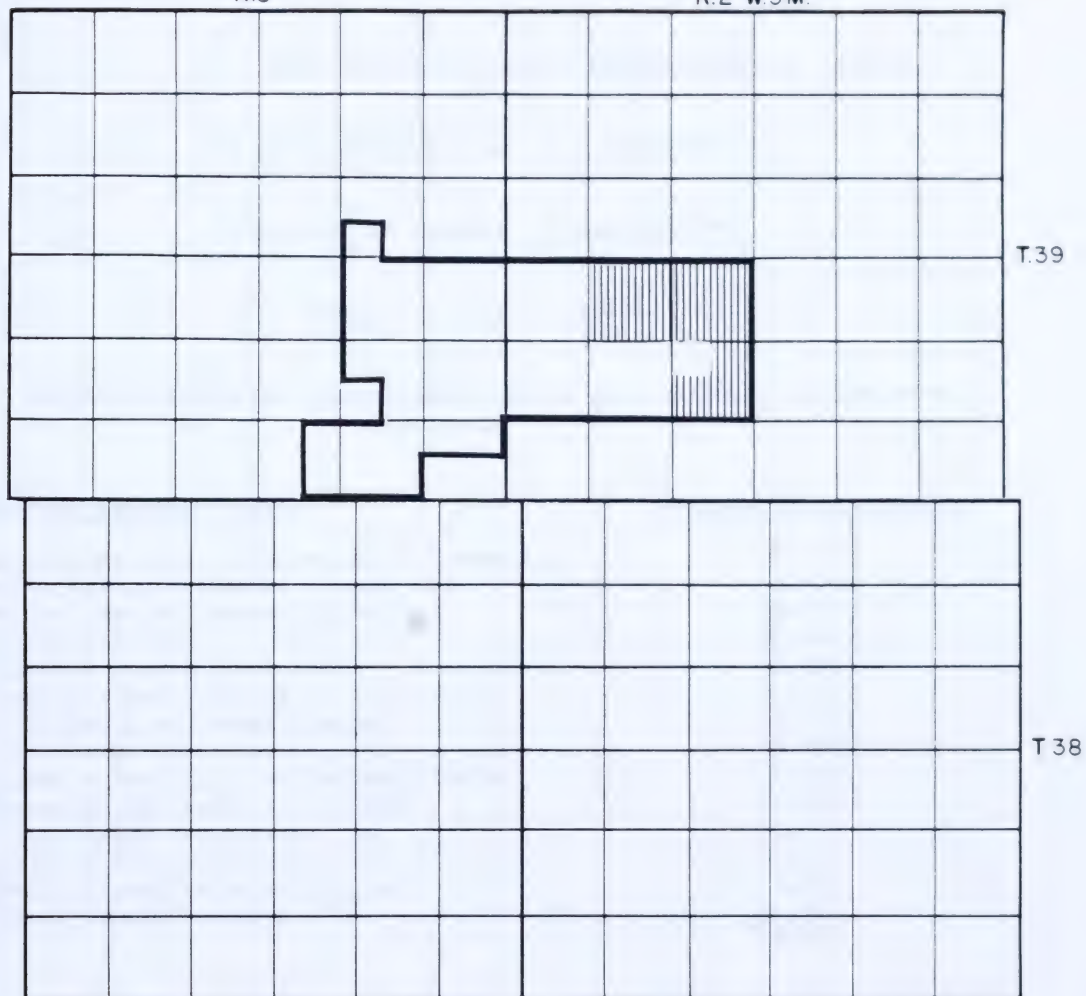
The Paddon Hughes Development Co. Ltd.	6.591820
PanCanadian Petroleum Limited	1.306314
Pembina Resources Limited	13.079223
Petro-Canada Inc.	0.272910
Prairie Oil Royalties Company, Ltd.	1.872400
Que West Resources Ltd.	0.027919
Sabre Petroleums Ltd.	1.337357
Sceptre Resources Limited	6.539612
Seapoint Holdings Ltd.	0.457162
Sylvan Lake Gas Unit No. 2 as represented by the Sylvan Lake Gas Unit No. 2 Operator	11.201042
Universal Explorations Ltd.	0.758665
WWC Ventures Ltd.	0.381361
307964 Alberta Ltd.	0.312630
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.2 W.5 M.



**ERCB**

UNIT OPERATOR- PEMBINA RESOURCES LIMITED

UNITIZED SUBSTANCE: PETROLEUM,NATURAL GAS AND  
OTHER HYDROCARBONS (EXCEPT COAL)  
RAW GAS AND CONDENSATE







MINNEHIK-BUCK LAKE UNIT NO. 1

Unit Operator - Norcen Energy Resources Limited

Initial Effective Date - 1 July 1963

Participation Revised - 1 January 1981

\*Unitized Zone - Pekisko

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	9.470
Amoco Canada Petroleum Company Ltd.	2.684
BP Exploration Canada Limited	3.958
CanDel Oil Ltd.	10.644
Canadian Superior Oil Ltd.	7.272
Dome Petroleum Limited	0.043
Esso Resources Canada Limited	7.271
Gulf Canada Resources Inc.	3.826
Hudson's Bay Oil & Gas Company Limited	4.272
Norcen Energy Resources Limited	34.090
Petro-Canada Exploration Inc.	10.094
Sabre Petroleums Ltd.	0.497
Shell Canada Resources Limited	3.958
Texaco Canada Resources Ltd.	1.921
	<u>100.000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R. 4 W. 5 M.

**ERCB**

UNIT OPERATOR—NORCEN ENERGY RESOURCES LIMITED

OKOTOKS GAS UNIT NO. 2

Unit Operator - Canterra Energy Ltd.

Initial Effective Date - 31 December 1969

Participation Revised - 1 November 1987

\*Unitized Zone - Crossfield Member

\*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	17.25355
Canterra Energy Ltd.	32.42649
Home Oil Company Limited	1.26474
Pensionfund Energy Limited	12.40174
RTEC One Resources Inc.	9.16338
Transamerica Oil Company	18.32672
334190 Alberta Ltd.	<u>9.16338</u>
	100.00000

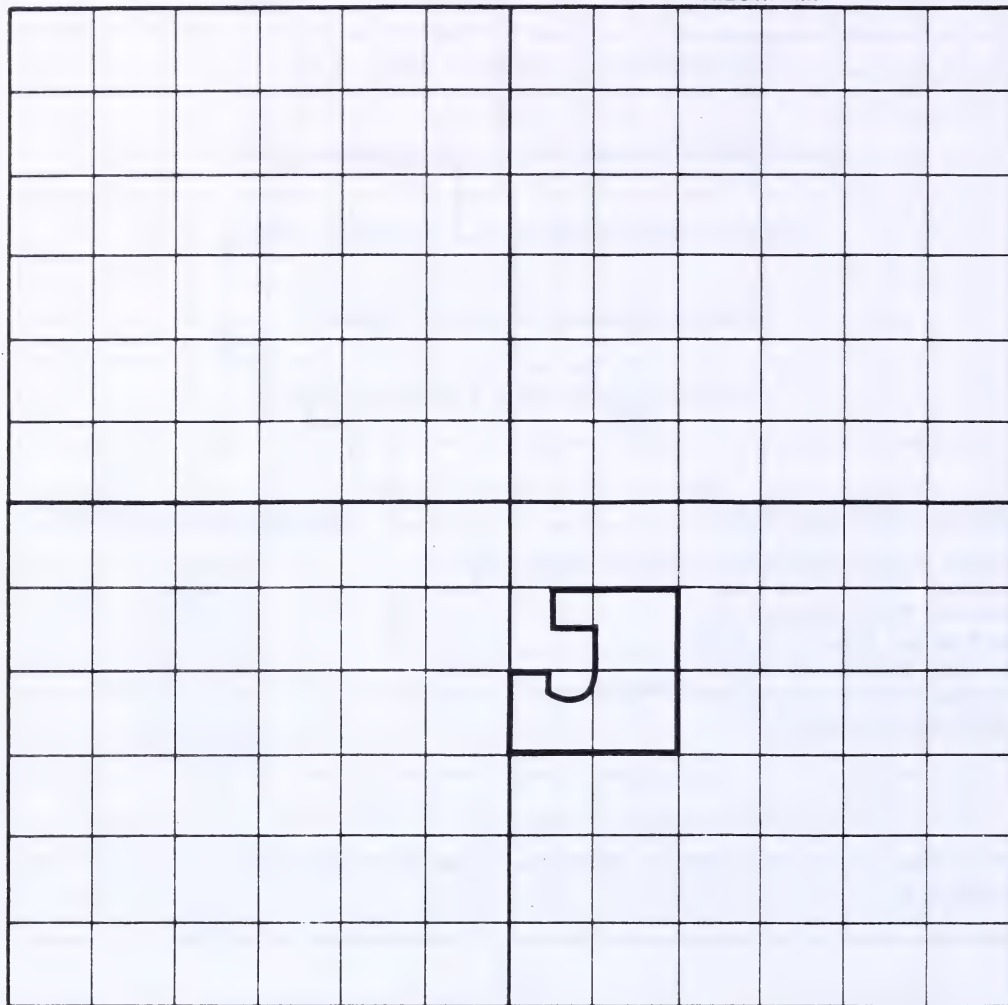
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.29

R.28W.4M.



T.21

T.20

## OKOTOKS GAS UNIT NO.2



INITIAL EFFECTIVE DATE- 31 DECEMBER 1969

UNIT OPERATOR- CANTERRA ENERGY LTD.



OMEGA PROVOST NORTH VIKING OIL UNIT

Unit Operator - Omega Hydrocarbons Ltd.

Initial Effective Date - 1 October 1984

Participation Revised - 1 October 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Alberta Gas Products System Ltd.	28.9362
Omega Hydrocarbons Ltd.	58.9550
Omega Oil & Gas Ltd.	8.8063
PanCanadian Petroleum Limited	3.3025
	<u>100.0000</u>

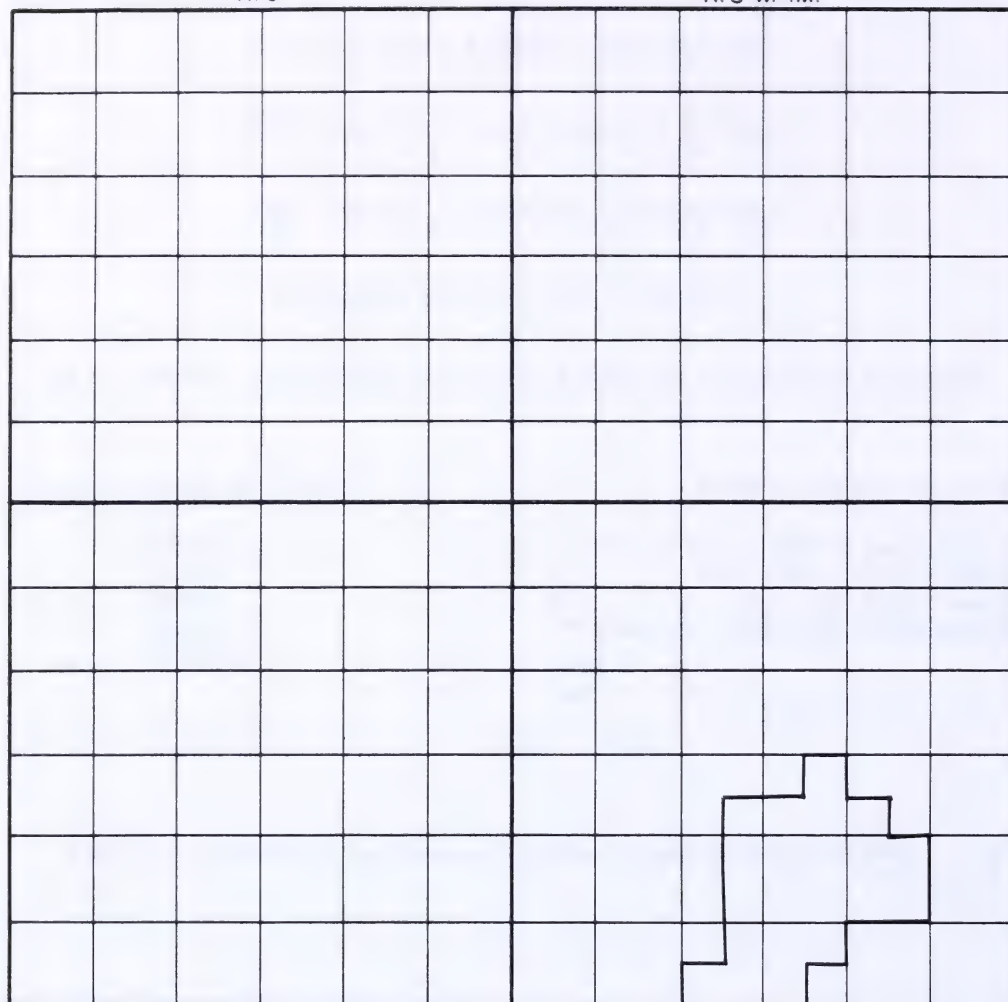
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R. 9

R. 8 W. 4M.



T. 35

T. 36

OMEGA PROVOST NORTH VIKING OIL UNIT



INITIAL EFFECTIVE DATE - 1 OCTOBER 1984

UNIT OPERATOR-OMEGA HYDROCARBONS LTD.

OMEGA PROVOST SOUTH VIKING OIL UNIT

Unit Operator - Omega Hydrocarbons Ltd.

Initial Effective Date - 1 October 1984

Participation Revised - 1 October 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Alberta Gas Products	20.2348
New North Oil & Gas Ltd.	5.0422
Omega Hydrocarbons Ltd.	30.0259
Omega Oil & Gas Ltd.	<u>44.6971</u>
	100.0000

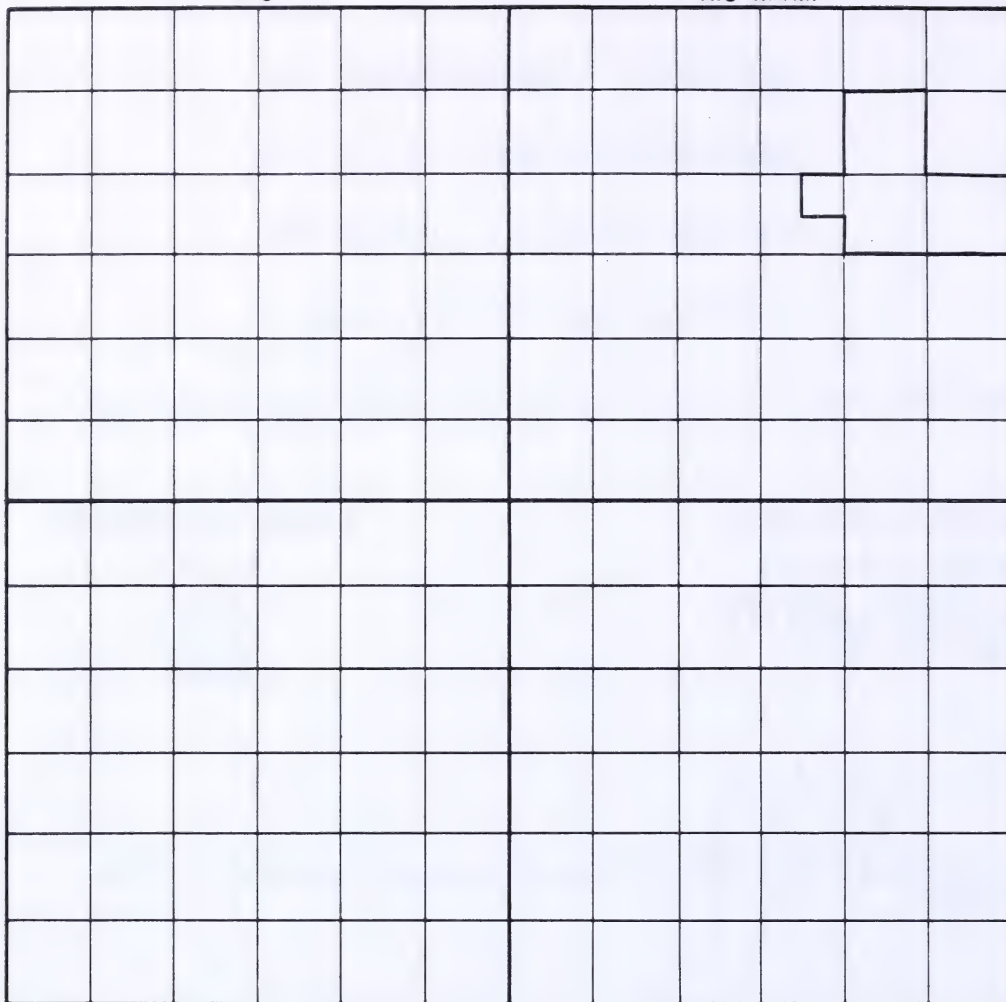
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R. 9

R. 8 W. 4 M.



T. 35

T. 34

OMEGA PROVOST SOUTH VIKING OIL UNIT



INITIAL EFFECTIVE DATE - 1 OCTOBER 1984

UNIT OPERATOR - OMEGA HYDROCARBONS LTD.

OYEN GAS UNIT NO. 3

Unit Operator - American Trading and Production Corporation

Initial Effective Date - 1 October 1970

Participation Revised - 1 October 1987

\*Unitized Zone - Viking Formation

\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
American Trading and Production Corporation	50.1793
Comaplex Resources International Ltd.	7.6851
Dome Petroleum Limited	1.0979
Gulf Canada Resources Limited	7.6851
Hudson's Bay Oil and Gas Company Limited	6.7211
Irving Industries (Foothills Steel Foundary Division) Ltd.	3.5426
Irving Industries (Irving Wire Products Division) Ltd.	7.0852
Scotia Oils Limited	1.0979
United Canso Oil and Gas Ltd.	14.9058
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

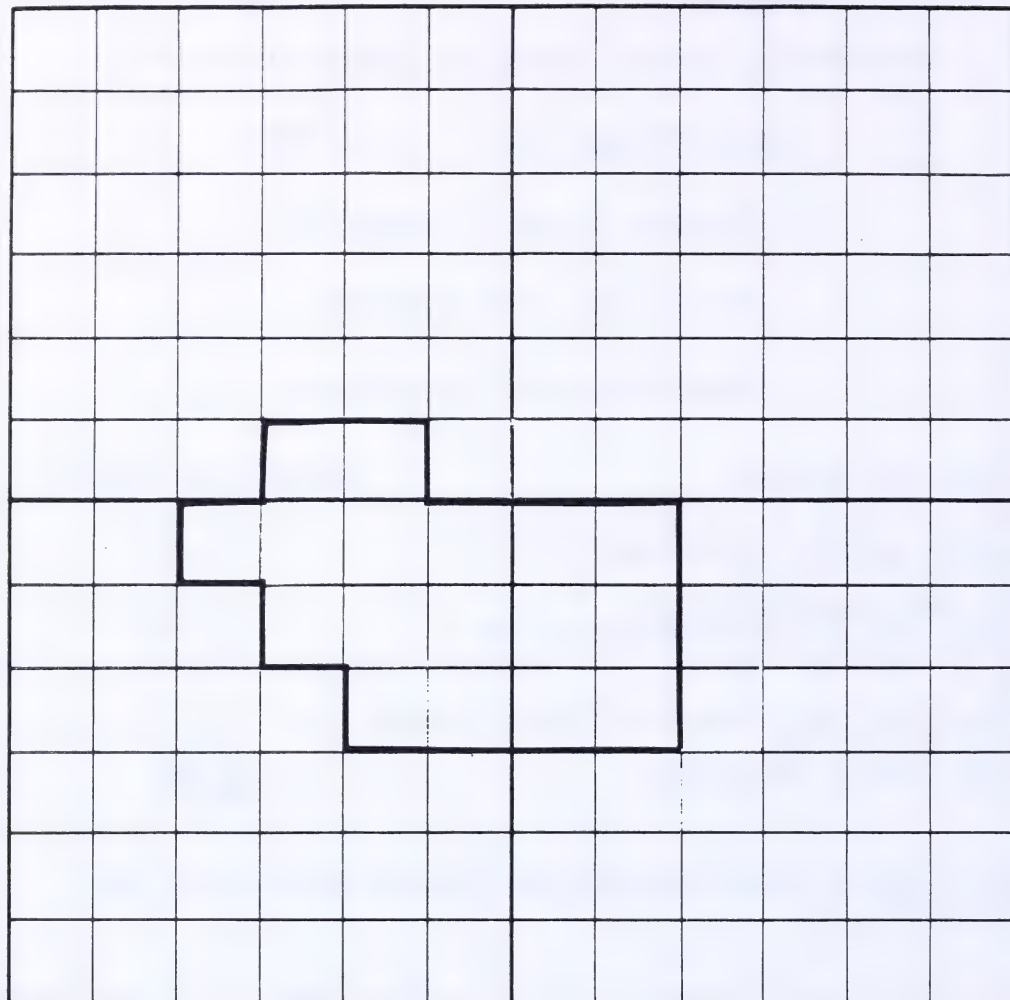
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta



R. 4

R.3 W.4M.



T.30

T.29

OYEN GAS UNIT NO.3



INITIAL EFFECTIVE DATE - 1 OCTOBER 1970

UNIT OPERATOR - AMERICAN TRADING AND PRODUCTION CORPORATION

NORTH OYEN GAS UNIT

Unit Operator - Canterra Energy Ltd

Initial Effective Date - 1 February 1965

\*Participation Revised - 1 October 1987

\*Unitized Zone - Viking or Detrital Formations

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except crude oil and coal)

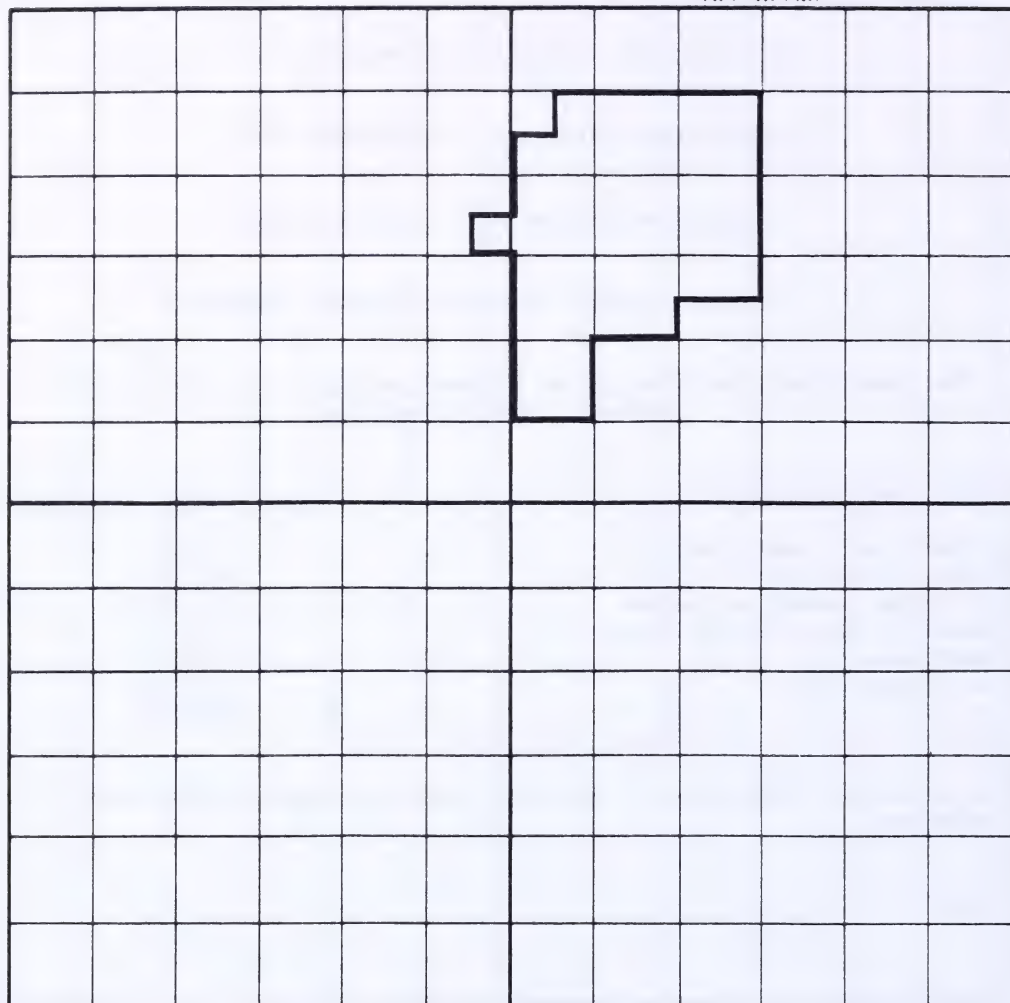
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	11.1111
Canterra Energy Ltd.	62.9167
Gulf Canada Resources Limited	4.5833
Prairie Oil Royalties Co. Ltd.	5.5556
Suncor Inc.	4.5833
Texaco Canada Inc.	11.2500
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

R.5

R.4 W.4M.



T.29

T.28

**NORTH OYEN GAS UNIT**

INITIAL EFFECTIVE DATE- 1 FEBRUARY 1965

UNIT OPERATOR- CANTERRA ENERGY LTD.

PEMBINA BELLY RIVER "B" SOUTH UNIT

Unit Operator - Western Decalta Petroleum (1977) Limited

Initial Effective Date - 1 August 1972

Participation Revised - 1 December 1987

\*Unitized Zone - Belly River Formation

\*Unitized Substance - Petroleum, natural gas and related hydrocarbons  
(except coal)

Working Interest Owners

Per Cent Participation

Canadian Occidental Petroleum Ltd.	3.29548
Chevron Canada Resources Limited	2.79439
Consolidated West Petroleum Limited	8.01659
Fairhill Oils Limited	0.80250
J. M. Huber Corporation	14.26437
Kerr-McGee Corporation	18.68274
Norcen Energy Resources Limited	3.01298
Paloma Petroleum Ltd.	3.01297
Rulair Oils Ltd.	0.80249
Scurry-Rainbow Oil Limited	1.54889
Shell Canada Limited	2.32335
Southmark Aquisitions Canada Limited	2.85289
Texaco Canada Resources	20.93101
Universal Explorations Ltd.	5.70575
Western Decalta Petroleum (1977) Limited	11.95360
	<u>100.00000</u>

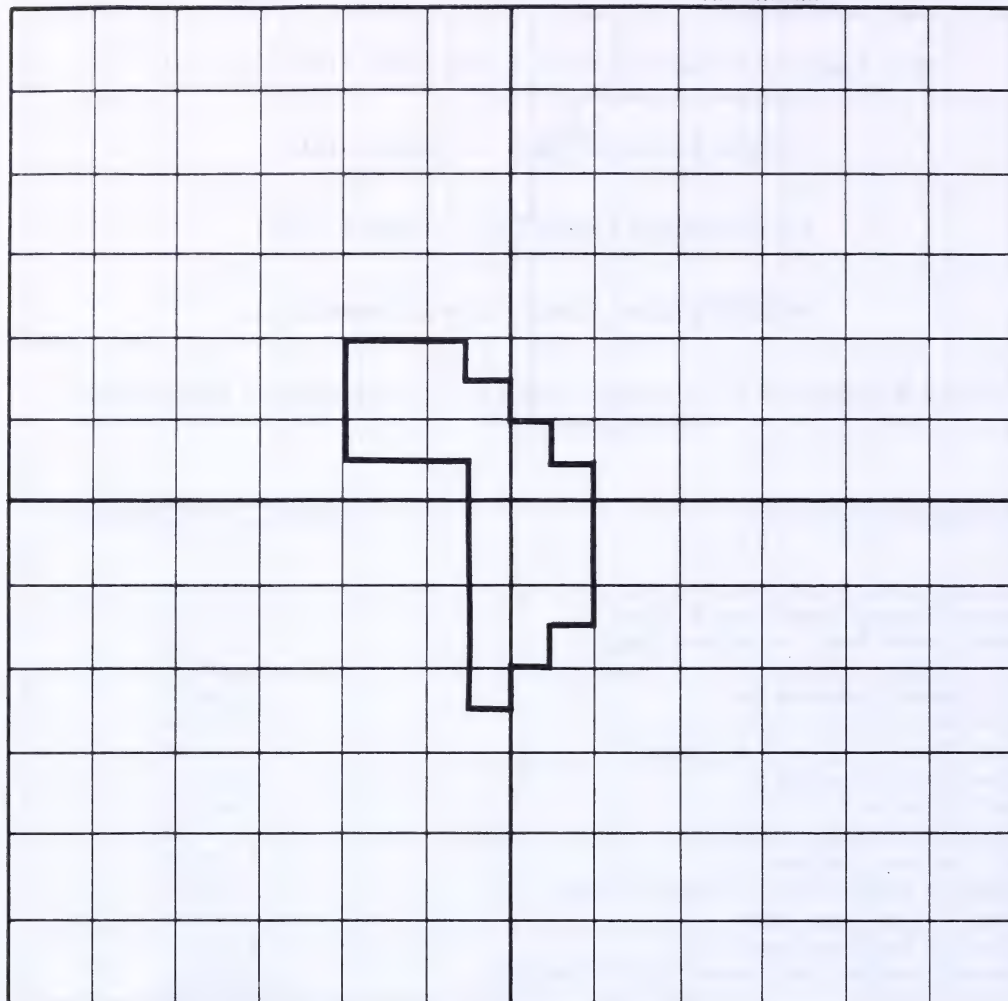
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.4

R.3 W.5M.



# PEMBINA BELLY RIVER "B" SOUTH UNIT



INITIAL EFFECTIVE DATE - 1 AUGUST 1972

UNIT OPERATOR - WESTERN DECALTA PETROLEUM (1977) LIMITED



PEMBINA BELLY RIVER AA POOL UNIT

Unit Operator - Western Decalta Petroleum (1977) Limited

Initial Effective Date - 1 February 1968

Participation Revised - 1 November 1987

\*Unitized Zone - Belly River Formation

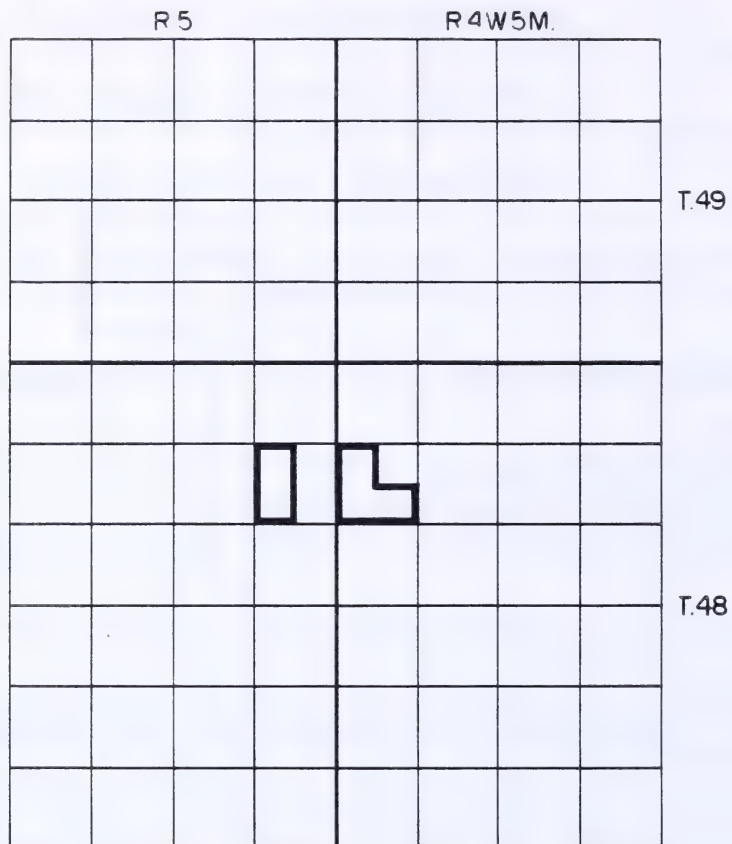
\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Asamera Inc.	6.3501
Petro-Canada Inc.	12.7022
Universal Explorations Ltd.	16.1691
Western Decalta Petroleum (1977) Limited	61.7482
Wangler Management Ltd.	3.0304
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
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# PEMBINA BELLY RIVER "A-A" POOL UNIT

INITIAL EFFECTIVE DATE - FEBRUARY 1, 1968

UNIT OPERATOR - WESTERN DEGALTA PETROLEUM (1977) LIMITED

PEMBINA CARDIUM UNIT NO. 8

Unit Operator - Luscar Ltd.

Initial Effective Date - 1 January 1962

Participation Revised - 1 January 1985

\*Unitized Zone - Cardium Formation

\*Unitized Substance - Crude oil, natural gas, condensate, and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Denison Mines Limited	9.84127
Home Oil Company Limited	24.32800
Luscar Ltd.	39.53058
Norcen Energy Resources Limited	23.65566
Ranger Oil Limited	1.99990
Vanguard Petroleums Ltd.	0.64459
	<u>100.00000</u>

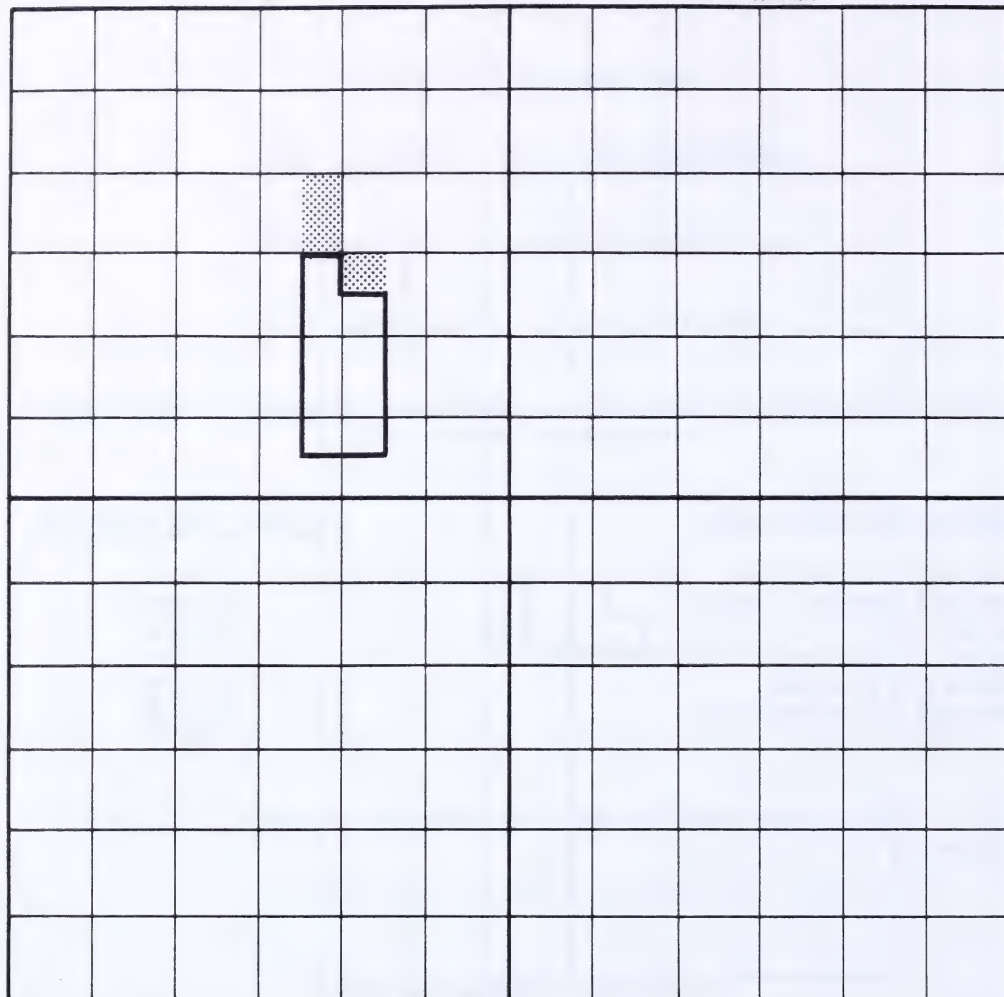
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.8

R.7 W.5M.



T.48

T.47

# PEMBINA CARDIUM UNIT NO.8

INITIAL EFFECTIVE DATE - 1 JANUARY 1962

UNIT OPERATOR- LUSCAR LTD.

AREA OF CHANGE 



POUCE COUPE CADOTTE GAS UNIT

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 February 1959

Participation Revised - 1 November 1986

\*Unitized Zone - Cadotte

\*Unitized Substance - Natural gas

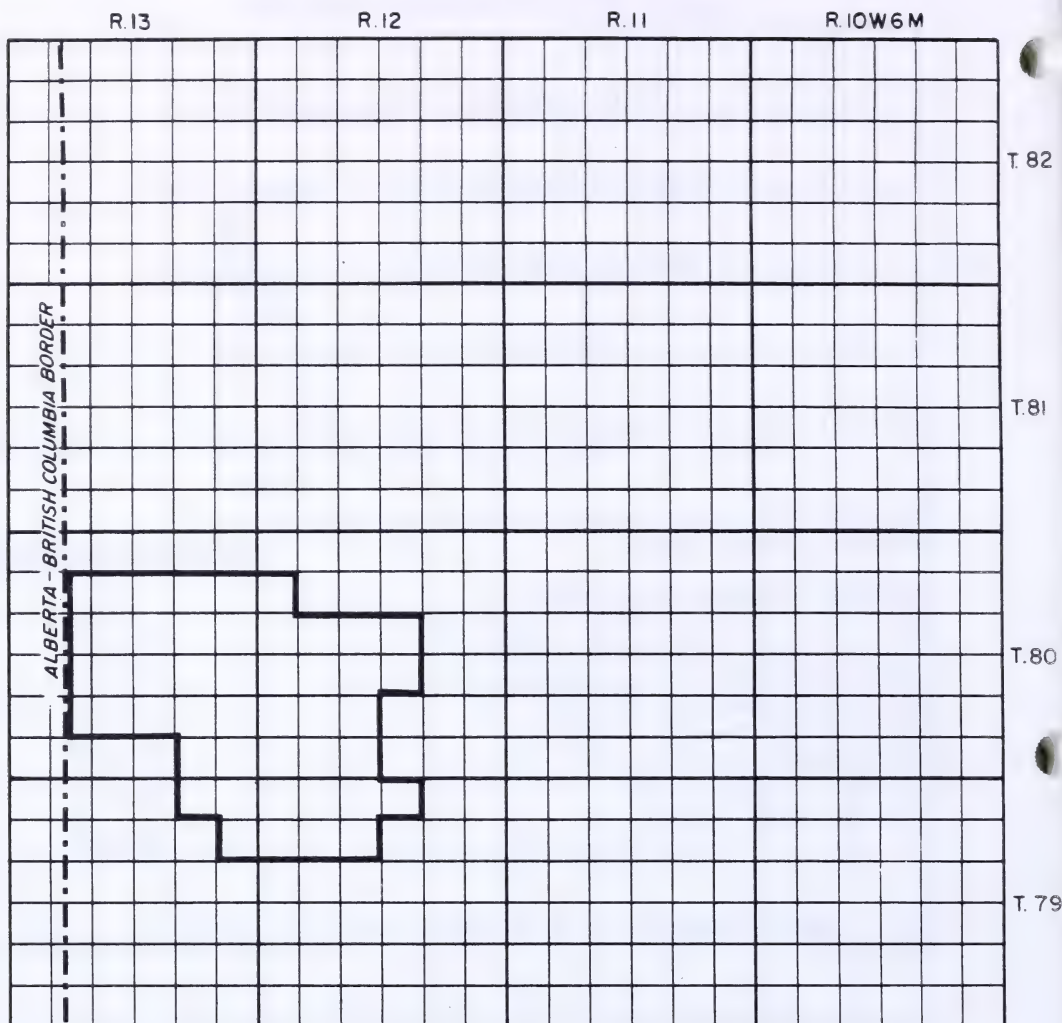
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Cheyenne Petroleum Corporation	0.2324
Estate of Frederick Irving Batcheller	0.2324
First Guardian Petroleum Corporation	6.4422
Golden North Resource Corporation	2.4414
Gulf Canada Resources Limited	1.9378
Norcen Energy Resources Limited	32.2111
Petro-Canada Inc.	24.0331
Westcoast Petroleum Ltd.	31.5398
64788 Manitoba Limited	0.9298
	<u>100.0000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
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## POUCE COUPE CADOTTE GAS UNIT



INITIAL EFFECTIVE DATE - 1 FEBRUARY 1959

UNIT OPERATOR - PETRO-CANADA INC.

WEST PROVOST VIKING GAS UNIT

Unit Operator - Prism Petroleum Ltd.

Initial Effective Date - 1 February 1964

Participation Revised - 1 November 1987

\*Unitized Zone - Viking Member of the Colorado Formation

\*Unitized Substance - Natural gas, and all fluid hydrocarbons not  
defined as Oil

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Balmer Enterprises Inc.	5.01844
Canada Northwest Energy Limited	0.38424
Canadian Superior Oil Ltd.	6.14631
Irving Industries Limited	1.17600
Norcen Energy Resources Limited	5.90403
Pembina Resources Limited	11.02668
Prism Petroleum Ltd.	34.05955
Scurry-Rainbow Oil Limited	7.93928
Texaco Canada Resources	0.88560
Texas Crude Oil Company	1.14390
Trilogy Resources Corporation	16.71572
Westmin Resources Ltd.	9.21601
Woodbend Oil & Gas Ltd.	0.38424
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

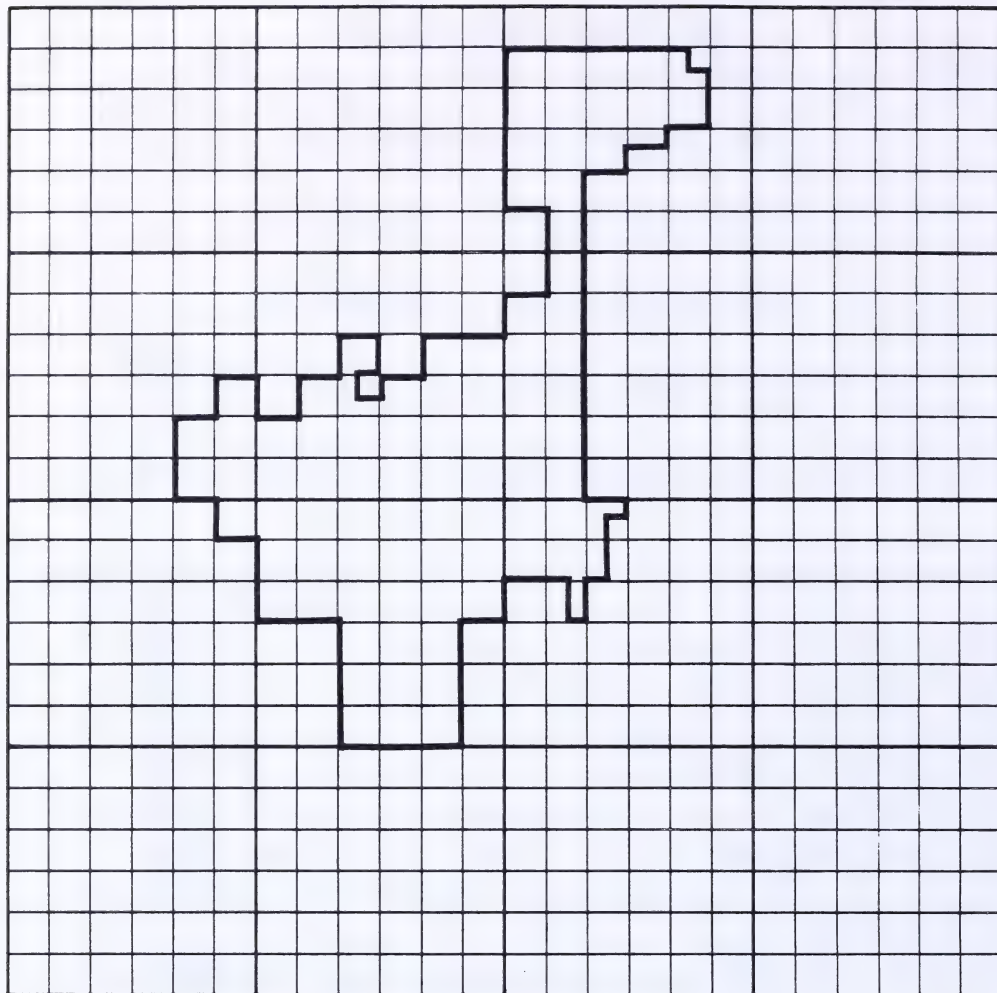
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R 9

R.8

R.7

R.6 W.4M.



T.37

T.36

T.35

T.34

## WEST PROVOST VIKING GAS UNIT

INITIAL EFFECTIVE DATE-1 FEBRUARY 1964

UNIT OPERATOR-PRISM PETROLEUM LTD.

**ERCB**

RAINBOW SOUTH KEG RIVER N UNIT

Unit Operator - Canterra Energy Ltd.

Initial Effective Date - 1 June 1984

Participation Revised - 2 November 1987

\*Unitized Zone - Keg River and Muskeg Formations

\*Unitized Substances - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canterra Energy Ltd.	18.13940
Cork Resources Ltd.	7.42143
Alan Genberg	0.37482
William E. Hodal	0.01077
M. Leslie Knight	0.37482
Mobil Oil Canada, Ltd.	6.86060
Penthouse Petroleums Limited Partnership #5	0.75901
Petromac Energy, Inc.	30.00000
Priddis-Chinook Limited Partnership #2	2.31453
Reef Hydrocarbons Ltd.	23.74462
Wilshire Oil of Canada Ltd.	10.00000
	100.00000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
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R.10W6M.

31	32	33	34	35	36
30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1

T.107

RAINBOW SOUTH KEG RIVER N UNIT



INITIAL EFFECTIVE DATE- 1 JUNE 1984

UNIT OPERATOR- CANTERRA ENERGY LTD.



ROWLEY BELLY RIVER GAS UNIT NO. 1

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 March 1976

Participation Revised - 19 November 1987

\*Unitized Zone - Basal Belly River "A" Sand

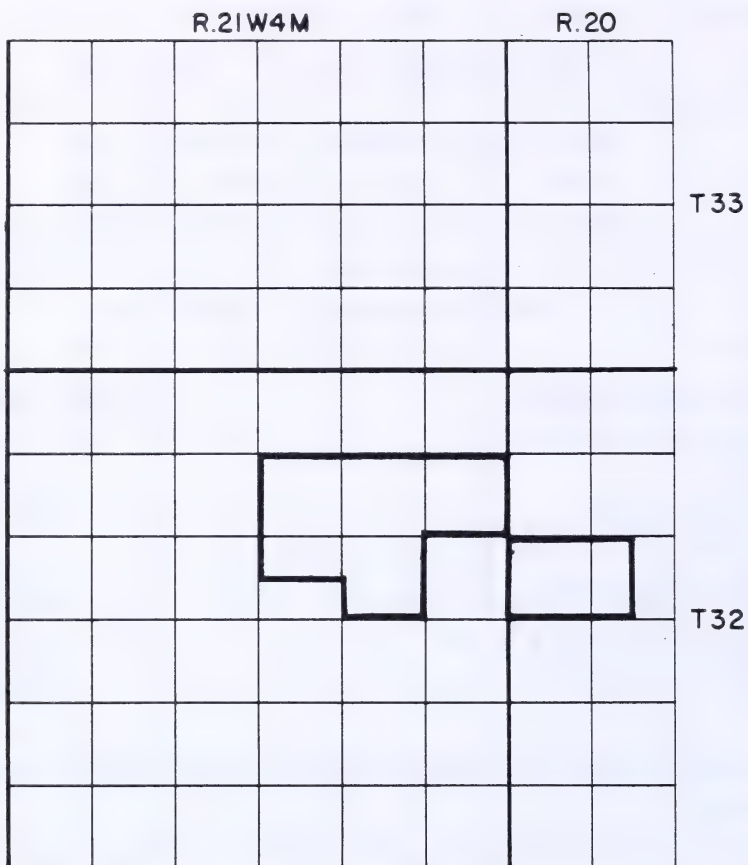
\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
American Eagle Petroleums Ltd.	5.673555
Atcor Ltd.	5.673556
CEC Resources Ltd.	12.912388
Gulf Canada Resources Limited	49.203011
Hudson's Bay Oil and Gas Company Limited	9.523150
Kerr-McGee Corporation	3.492586
Murphy Oil Company Limited	0.416670
PanCanadian Petroleum Limited	1.758296
Woodbend Oil & Gas Ltd.	<u>11.346788</u>
	100.000000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
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## ROWLEY BELLY RIVER GAS UNIT NO. 1

INITIAL EFFECTIVE DATE — MARCH 1, 1976

UNIT OPERATOR — GULF CANADA RESOURCES LIMITED

RYCROFT HALFWAY UNIT NO. 1

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 November 1987

Participation Revised - 1 December 1987

\*Unitized Zone - Halfway Formation

\*Unitized Substance - Petroleum, natural gas, and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Chauvco Resources Ltd.	7.15238
Esso Resources Canada Limited	20.57298
PanCanadian Petroleum Limited	50.95936
Propetro Corp.	7.06927
Thomson-Jenson Petroleum Limited	<u>14.24601</u>
	100.00000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.6

R.5 W.6M.

T.78

T.77

# RYCROFT HALFWAY UNIT NO.1



INITIAL EFFECTIVE DATE - 1 NOVEMBER 1987

UNIT OPERATOR - PANCANDIAN PETROLEUM LIMITED

RYCROFT CHARLIE LAKE "A" POOL UNIT

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 December 1985

Participation Revised - 1 October 1987

\*Unitized Zone - Charlie Lake "A" Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Anderson Exploration Ltd.	8.550003
Chauvco Resources Ltd.	1.777335
Chieftain Development Co. Ltd.	11.970006
Eso Resources Canada Limited	14.218703
Gulf Canada Resources Limited	14.625180
Numac Oil & Gas Ltd.	7.980004
PanCanadian Petroleum Limited	28.437406
Propetro Corp.	5.332014
Thomson-Jensen Petroleum Limited	7.109349
	<u>100.000000</u>

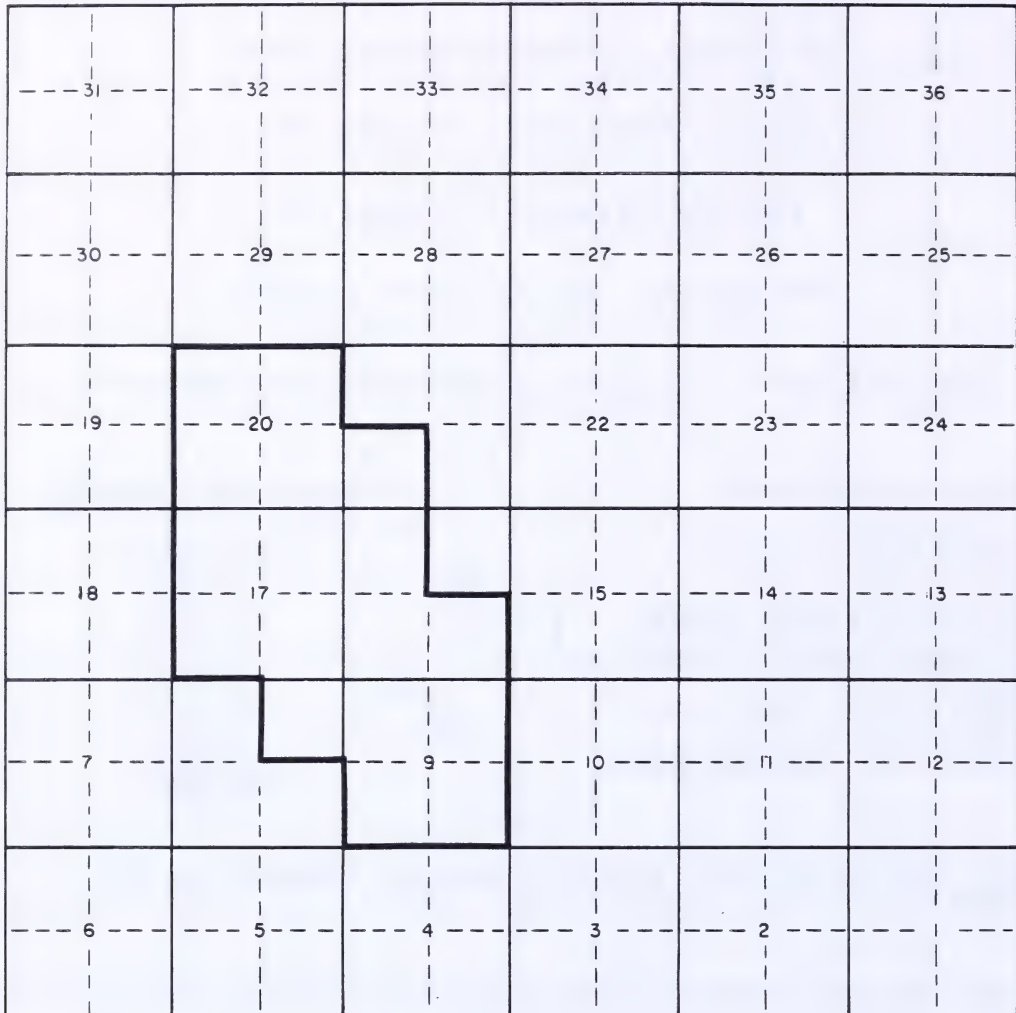
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
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R. 5W6M



T. 77

RYCROFT CHARLIE LAKE 'A' POOL UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 DECEMBER 1985

UNIT OPERATOR - PANCANADIAN PETROLEUM LIMITED

VIRGINIA HILLS BHL UNIT NO. 2

Unit Operator - Cooperative Energy Development Corporation

Initial Effective Date - 1 October 1979

Participation Revised - 1 December 1987

\*Unitized Zone - Beaverhill Lake Formation

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

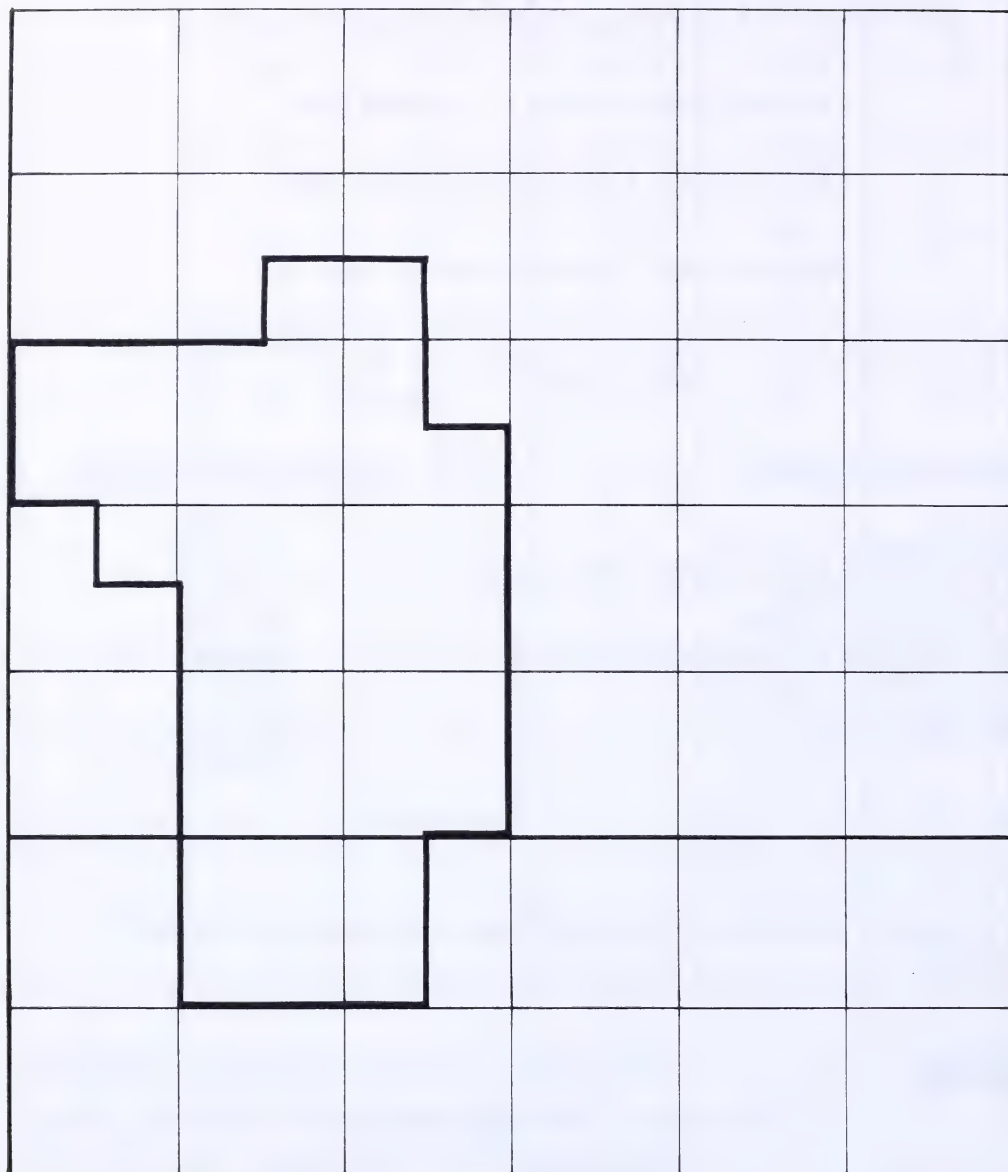
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Atcor Ltd.	1.23808
Canadian Superior Oil Ltd.	7.71675
Cooperative Energy Development Corporation	49.44644
Denison Mines Limited	1.23809
Home Oil Company Limited	12.15438
Hudson's Bay Oil and Gas Company Limited	11.36225
Union Oil Company of Canada Limited	14.36784
Woodbend Oil & Gas Ltd.	1.23809
328588 Alberta Inc.	1.23808
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
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R12W5M



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VIRGINIA HILLS BHL UNIT NO. 2

INITIAL EFFECTIVE DATE — OCTOBER 1, 1979

UNIT OPERATOR — COOPERATIVE ENERGY DEVELOPMENT CORPORATION

VIRGINIA HILLS BELLOY - SHUNDA UNIT NO. 1

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 May 1982

Participation Revised - 1 November 1987

\*Unitized Zone - Belloy-Shunda Formation

\*Unitized Substance - Gas and oil

Working Interest Owners

Per Cent Participation  
Oil Interests                      Gas Interests

Amoco Canada Petroleum Company Ltd.	1.41036	0.50123
Dome Petroleum Limited		0.19636
Gulf Canada Resources Limited		0.29457
Moraine Production Co. Ltd.	1.41036	0.50123
Norwich Resources Canada Ltd.	0.94025	0.33416
Pennzoil Petroleums Ltd.	13.01730	8.20558
Provo Gas Producers Limited		0.09821
Shell Canada Limited	83.22173	89.86866
	<u>100.00000</u>	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reserve Side)

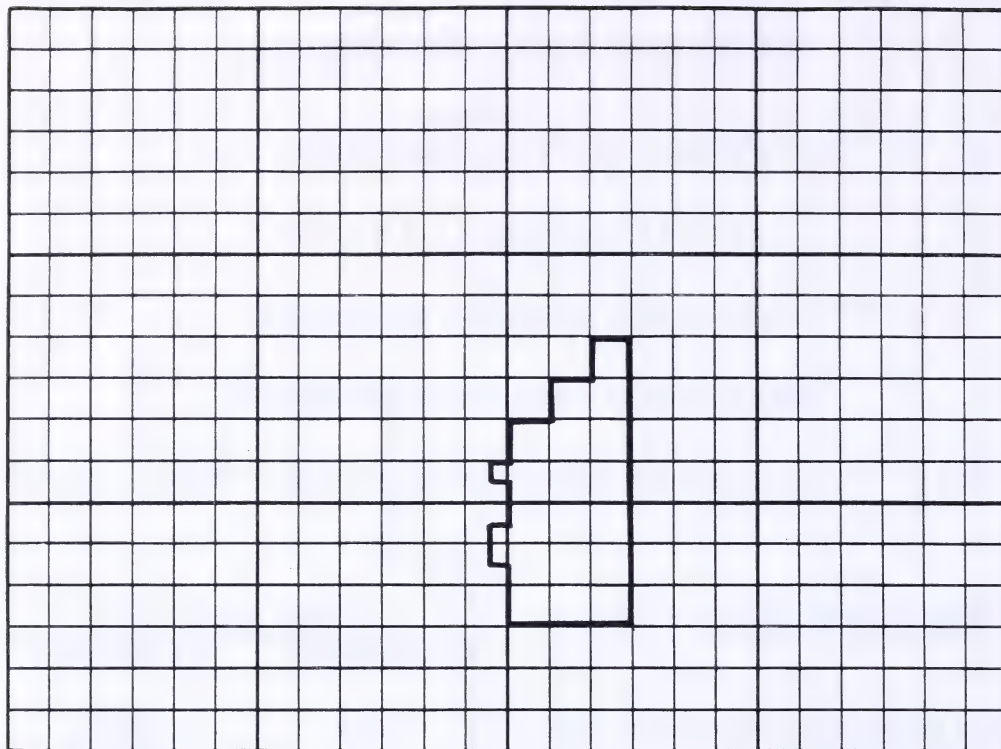
ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.15

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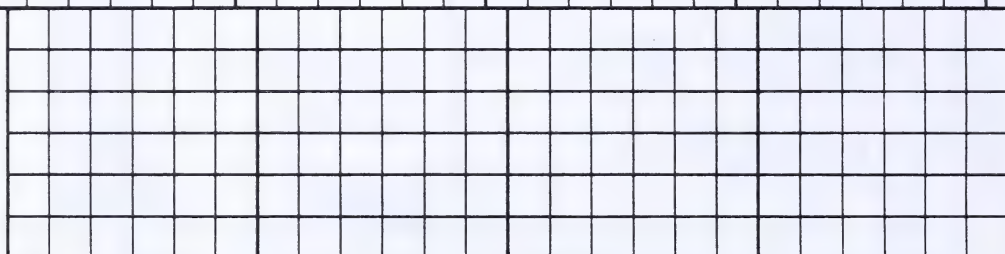
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T.62

**VIRGINIA HILLS BELLOY-SHUNDA UNIT NO.1**

INITIAL EFFECTIVE DATE - 1 MAY 1982

UNIT OPERATOR - SHELL CANADA LIMITED





VIRGINIA HILLS UNIT NO. 1

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 September 1963

Participation Revised - 1 October 1987

\*Unitized Zone - Swan Hills Member

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

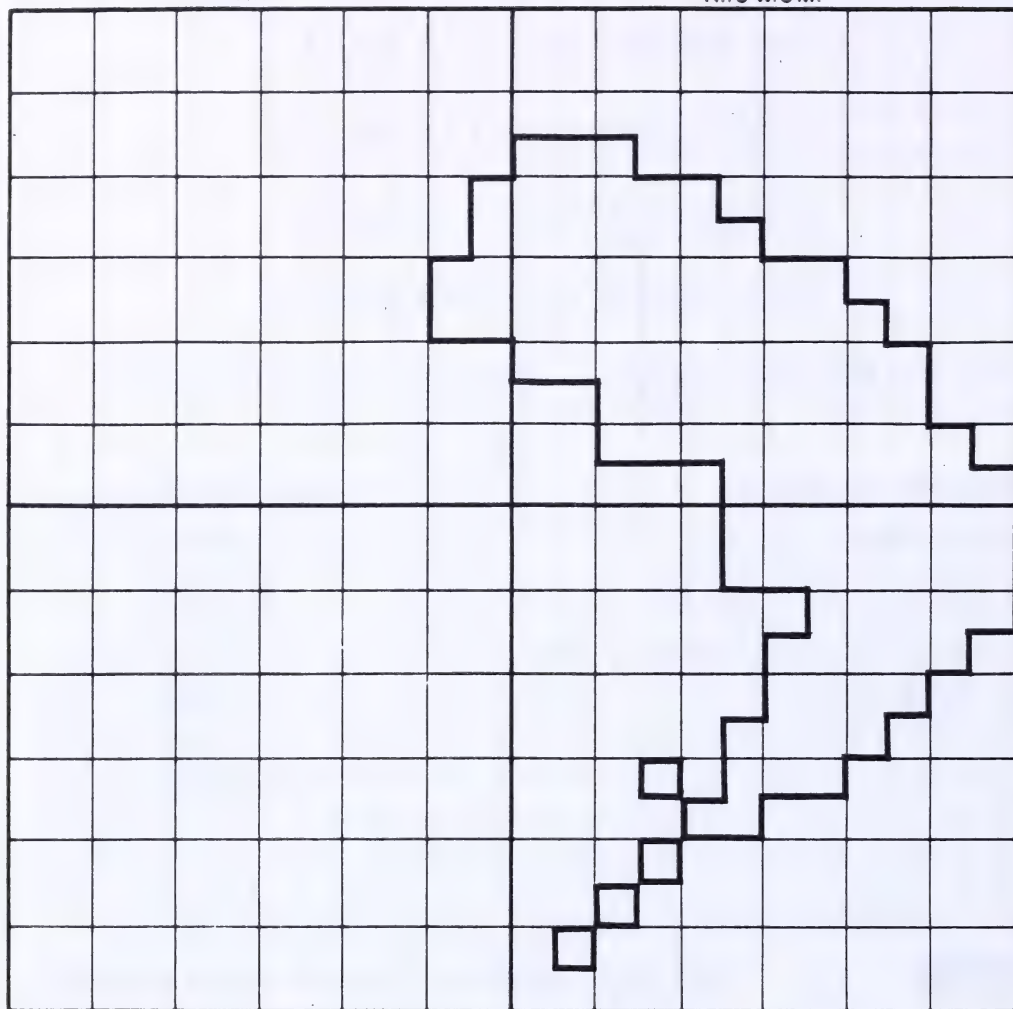
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Superior Oil Ltd.	3.817274
Esso Resources Canada Limited	2.052260
Gulf Canada Resources Limited	0.225114
Home Oil Company Limited	11.451835
Hudson's Bay Oil and Gas Company Limited	19.766389
Petro-Canada Inc.	4.653564
Shell Canada Limited	42.139833
Texaco Canada Resources	0.624616
Unocal Canada Limited	15.269115
	<u>100.000000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.13 W.5M.

**ERC**

UNIT OPERATOR- SHELL CANADA LIMITED

WESTEROSE SOUTH (DICK LAKE) LEDUC UNIT

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 December 1960

Participation Revised - 19 November 1987

\*Unitized Zone - Leduc Formation

\*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

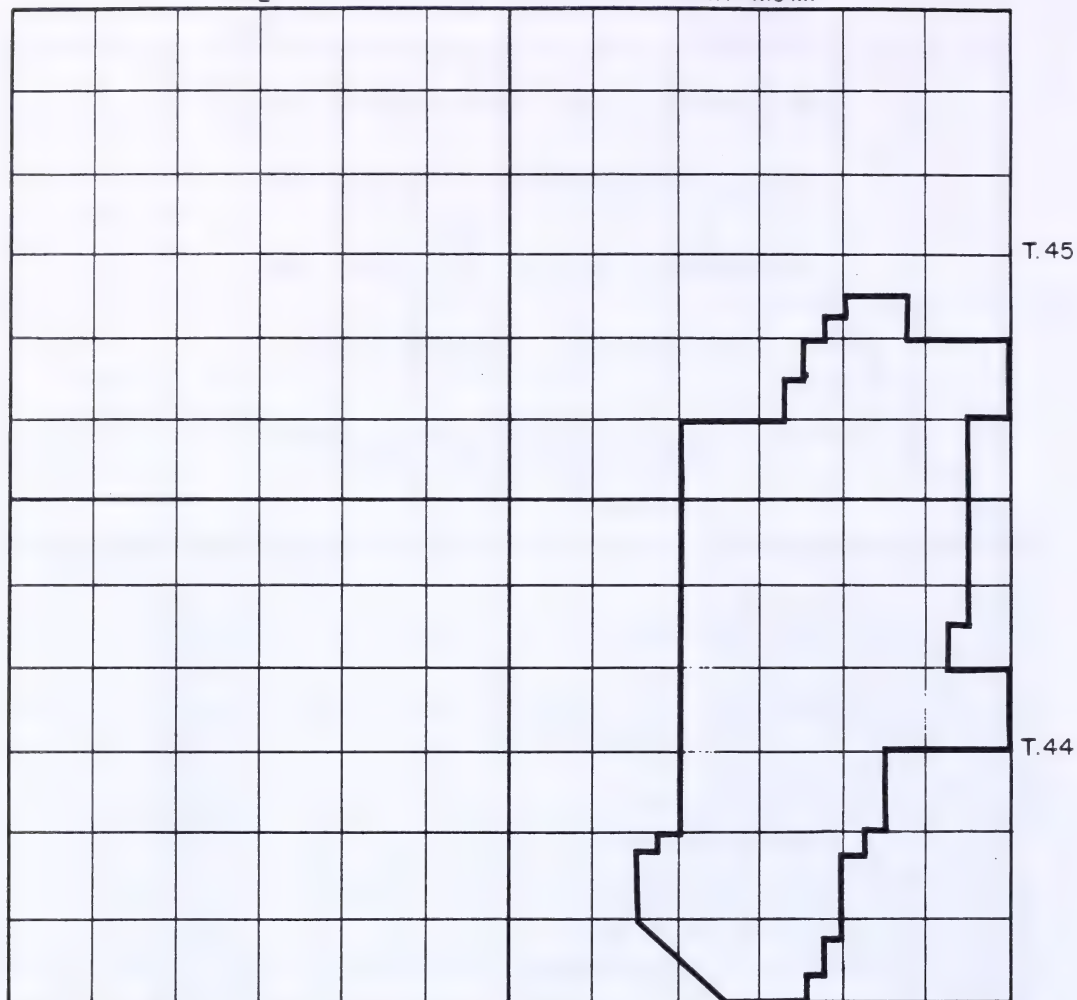
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Jorex Limited	0.12299
Chevron Canada Resources Limited	32.34539
Drummond Oil & Gas Ltd.	1.62808
Gulf Canada Resources Limited	42.57613
J. M. Huber Corporation	0.00547
Hudson's Bay Oil and Gas Company Limited	3.08833
Husky Oil Operations Ltd.	9.27540
Kerr-McGee Corporation	0.00958
Leddy Exploration Limited	0.01504
Norcen Energy Resources Limited	0.35141
Petro-Canada Inc.	9.27540
Phillips Petroleum Resources, Ltd.	0.01504
Samedan Oil of Canada, Inc.	0.08785
Star Oil & Gas Ltd.	1.05376
Suncor Inc.	0.00957
Herbert Daniel Wyman	0.14056
	<u>100.00000</u>

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD  
Calgary, Alberta

R.1 W.5 M.



**ERCB**

UNIT OPERATOR- GULF CANADA RESOURCES LIMITED

WILDMERE LLOYDMINSTER "A" POOL UNIT NO. 1

Unit Operator - Husky Oil Operations Ltd.

Initial Effective Date - 1 January 1977

Participation Revised - 1 December 1987

\*Unitized Zone - Lloydminster Zone

\*Unitized Substance - Petroleum, natural gas and other hydrocarbons  
(except coal)

Working Interest Owners

Per Cent Participation

Husky Oil Operations Ltd.	62.2609
Koch Exploration Canada, Ltd.	12.5800
Norcen Energy Resources Limited	<u>25.1591</u>
	100.0000

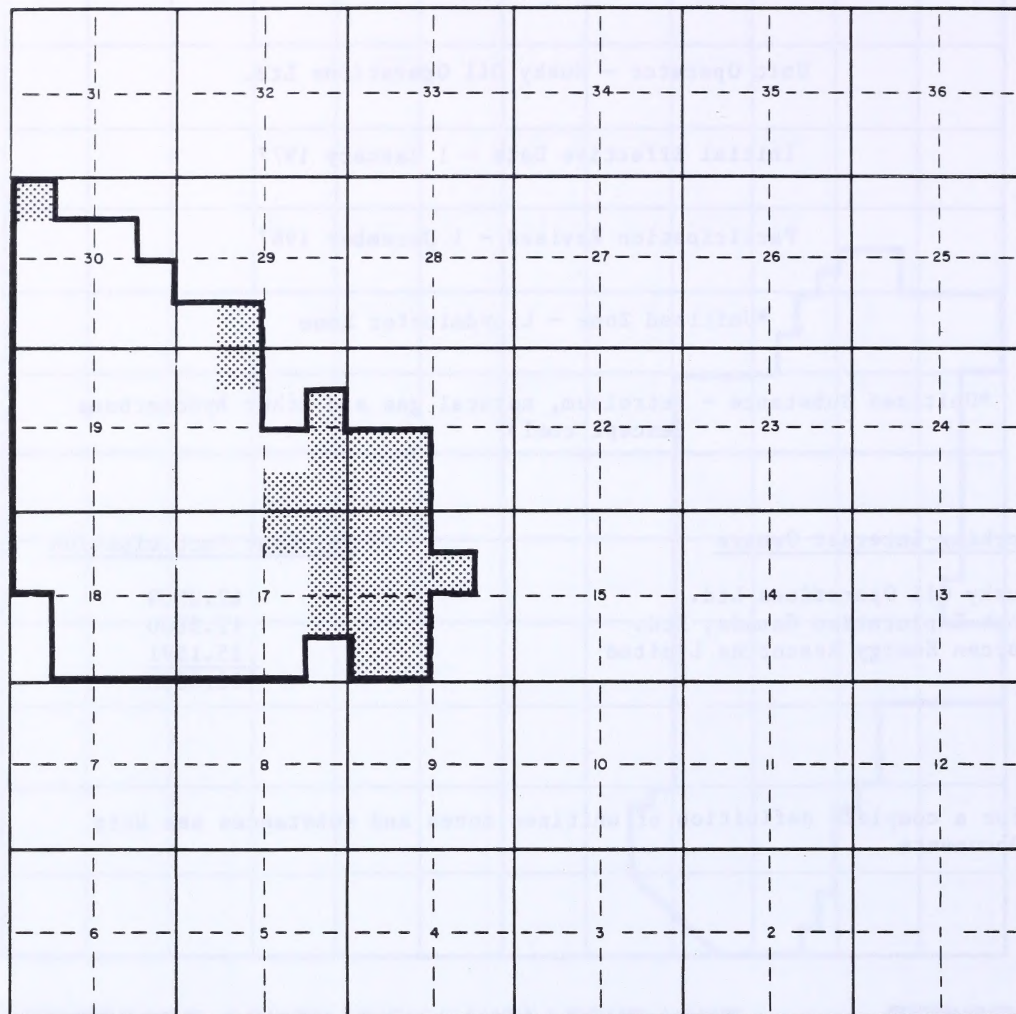
\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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WILDMERE LLOYDMINSTER "A" POOL UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE- 1 JANUARY 1977

UNIT OPERATOR- HUSKY OIL OPERATIONS LTD.

AREA OF CHANGE EFFECTIVE- 1 DECEMBER 1987

SOUTH WINNIFRED GAS UNIT

Unit Operator - Bow Valley Industries Ltd.

Initial Effective Date - 10 November 1976

Participation Revised - 1 November 1987

\*Unitized Zone - Bow Island "A" Formation

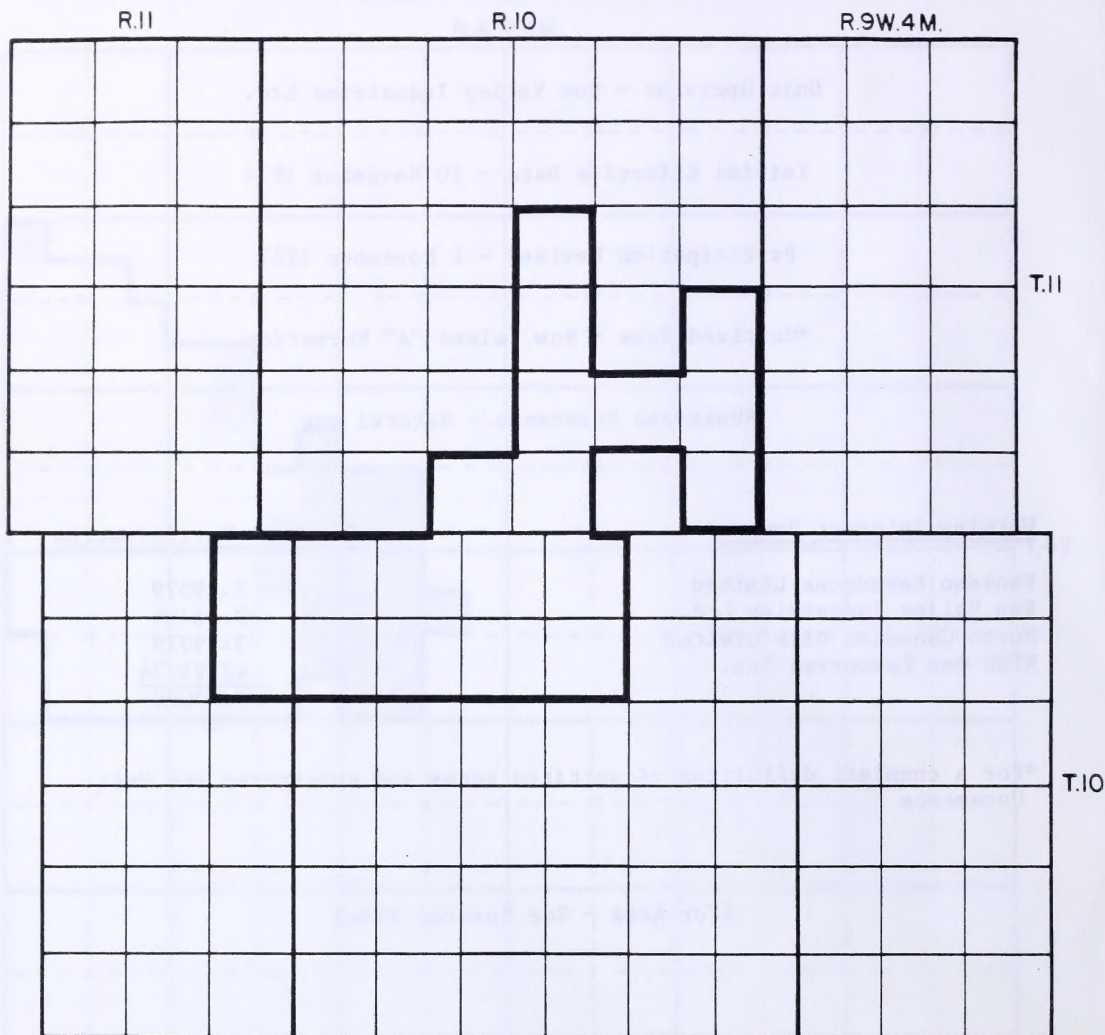
\*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Bankeno Resources Limited	3.49079
Bow Valley Industries Ltd.	49.76408
North Canadian Oils Limited	3.49079
RTEC One Resources Inc.	<u>43.25434</u>
	100.00000

\*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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## SOUTH WINNIFRED GAS UNIT

INITIAL EFFECTIVE DATE-10 NOVEMBER 1976

UNIT OPERATOR- BOW VALLEY INDUSTRIES LTD.

**ERCB**